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1968 DATA TABULATIONS AND SUMMARIES

CHICAGO

Continuous Air Monitoring Projects

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
Consumer Protection and Environmental Health Service

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1968 DATA TABULATIONS AND SUMMARIES

CONTINUOUS AIR MONITORING PROJECTS

NATIONAL AIR SURVEILLANCE NETWORKS

CHICAGO

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
Consumer Protection and Environmental Health Service
National Air Pollution Control Administration
Division of Air Quality and Emission Data
Raleigh, North Carolina
December, 1969

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PREFACE

One of the Continuous Air Monitoring Projects of the National Air Surveillance Networks is to routinely operate continuous monitoring stations in six major cities. The data tabulations in this report consist of hourly average concentrations of six gaseous pollutants (carbon monoxide, nitric oxide, nitrogen dioxide, sulfur dioxide, total hydrocarbons, and total oxidants), and 2-hour measurements of soiling index levels in Chicago during 1968. A brief summary of monthly means and maximums and graphs of seasonal diurnal patterns of gaseous pollutants at the Chicago station are included. Annual frequency distributions of the data pertaining to gases and soiling index are presented for all six CAMP stations.

Summaries of 1968 data for Cincinnati, Denver, Philadelphia, St. Louis, and Washington, D. C., are available from the National Air Pollution Control Administration. Similar data summaries have been published, along with various analyses and interpretative material, for previous years' operations.

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SECTION 1.
SUMMARY OF MONTHLY MEANS AND MAXIMUMS AND FREQUENCY DISTRIBUTIONS OF POLLUTANT CONCENTRATIONS

TABLE 1-1 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR CARBON MONOXIDE

CHICAGO 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	29	6.5	13.	24	23.	26	16	35.	26	1610
FEB.	28	6.7	16.	28	40.	28	17	51.	28	1710
MARCH	25	6.1	10.	8	27.	8	16	49.	8	2015
APRIL	15	A	14.	30	26.	19	16	39.	2	1725
MAY	1	A	13.	3	18.	3	16	48.	3	2215
JUNE	11	A	12.	19	18.	20	15	25.	19	1610
JULY	18	6.5	11.	19	19.	26	15	37.	26	1325
AUG.	23	7.1	12.	28	27.	20	16	42.	28	1640
SEPT.	21	6.5	12.	5	24.	5	16	51.	27	1610
OCT.	29	5.6	10.	12#	23.	31	16	57.	25	1515
NOV.	30	5.9	11.	15	22.	6	17	46.	5	720
DEC.	29	4.9	13.	27	33.	27	14	47.	27	1415
YEAR	259	6.2	16.		40.			57.		

TABLE 1-2 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR NITRIC OXIDE

CHICAGO 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	24	0.087	0.14	27*	0.31	10	8	0.37	10	850
FEB.	20	0.106	0.17	26	0.44	13	8	0.52	19	755
MARCH	31	0.091	0.21	17#	0.61	17#	3	0.66	16*	2355
APRIL	21	0.049	0.11	19	0.31	30	6	0.35	30	615
MAY	31	0.075	0.13	6	0.27	30	23	0.37	6	550
JUNE	28	0.044	0.08	25	0.19	25	8	0.21	20	515
JULY	30	0.037	0.09	29	0.25	29	6	0.27	29	635
AUG.	31	0.053	0.13	28	0.50	28	6	0.56	28	630
SEPT.	30	0.075	0.14	13	0.40	26	7	0.44	26	705
OCT.	31	0.071	0.14	11	0.45	11	7	0.56	11	700
NOV.	25	0.083	0.12	27	0.24	25	8	0.29	25	835
DEC.	24	0.100	0.23	27	0.39	27	17	0.45	17	745
YEAR	326	0.072	0.23		0.61			0.66		

A : AVERAGE NOT CALCULATED BECAUSE OF INSUFFICIENT DATA
* : INDICATES SATURDAY
# : INDICATES SUNDAY

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TABLE 1-3 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR NITROGEN DIOXIDE

CHICAGO 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	27	0.037	0.06	17	0.07	17	16	0.07	17	1605
FEB.	20	0.049	0.07	26	0.10	23	9	0.13	23	910
MARCH	31	0.054	0.09	17#	0.17	17#	10	0.18	17#	950
APRIL	23	0.052	0.07	29	0.11	30	7	0.13	30	750
MAY	31	0.060	0.09	31	0.16	31	16	0.17	31	1605
JUNE	30	0.054	0.10	7	0.14	7	16	0.15	7	1630
JULY	27	0.043	0.07	12	0.17	12	10	0.29	12	950
AUG.	28	0.052	0.09	30	0.18	23	11	0.20	22	1025
SEPT.	29	0.051	0.08	13	0.14	13	8	0.16	13	800
OCT.	31	0.043	0.07	12*	0.14	12*	12	0.15	12*	1130
NOV.	29	0.036	0.05	13	0.10	22	11	0.11	22	1125
DEC.	18	0.044	0.06	17	0.08	11	15	0.09	17	1220
YEAR	324	0.048	0.10		0.18			0.29		

TABLE 1-4 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR SULFUR DIOXIDE

CHICAGO 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	DAY	HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	DAY	TIME
JAN.	29	0.265	0.51	17	0.82	17	10	1.33	16	1005
FEB.	24	0.247	0.44	6	0.86	6	0	0.99	6	1205
MARCH	26	0.182	0.36	15	0.76	26	10	1.09	30*	1340
APRIL	23	0.088	0.23	12	0.49	6*	0	0.72	12	1125
MAY	28	0.047	0.17	27	0.61	22	7	1.11	22	735
JUNE	27	0.031	0.07	6	0.32	6	7	0.48	6	730
JULY	25	0.052	0.13	16	0.37	16	8	0.71	21#	1630
AUG.	31	0.054	0.15	23	0.62	24*	20	1.09	24*	2045
SEPT.	26	0.061	0.12	13	0.30	14#	9	0.50	14#	945
OCT.	31	0.101	0.18	25	0.59	30	7	0.73	30	700
NOV.	27	0.139	0.27	12	0.85	14	11	0.99	14	1145
DEC.	16	A	0.35	2	0.57	3	6	0.71	4	1855
YEAR	313	0.117	0.51		0.86			1.33		

A : AVERAGE NOT CALCULATED BECAUSE OF INSUFFICIENT DATA
* : INDICATES SATURDAY
# : INDICATES SUNDAY

TABLE 1-5 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR HYDROCARBON

CHICAGO 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	MAX. 24 HR. CONC. DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	MAX. HRLY. AVG. CONC. DAY	MAX. HRLY. AVG. CONC. HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	MAX. 5 MIN. INST. CONC. DAY	MAX. 5 MIN. INST. CONC. TIME
JAN.	25	2.84	3.7	22	8.2	22	17	8.9	2	745
FEB.	23	3.09	5.2	6	12.3	6	0	15.6	6	5
MARCH	31	3.43	5.4	17#	11.9	17#	3	15.2	16*	2340
APRIL	20	3.42	4.3	11	6.9	6*	0	14.3	6*	10
MAY	28	3.11	4.4	31	7.0	21	2	15.2	21	230
JUNE	26	2.84	3.9	6	7.1	8*	1	15.0	27	20
JULY	24	3.05	4.0	11	7.3	4	1	14.3	10	2100
AUG.	23	2.81	4.0	28	8.5	7	10	15.7	22	55
SEPT.	11	A	3.2	7*	6.6	6	19	16.8	6	1940
OCT.	28	2.55	3.6	12*	7.3	4	23	17.3	2	2035
NOV.	22	2.39	2.9	22	6.9	30*	1	15.2	30*	125
DEC.	31	2.44	4.2	27	7.1	27	17	13.2	6	2215
YEAR	292	2.89	5.4		12.3			17.3		

TABLE 1-6 : SUMMARY OF MONTHLY MEANS AND MAXIMUMS FOR TOTAL OXIDANT

CHICAGO 1968

MONTH	DAYS VALID DATA	MO. AVG. CONC. (PPM)	MAX. 24 HR. CONC. CONC. (PPM)	MAX. 24 HR. CONC. DAY	MAX. HRLY. AVG. CONC. CONC. (PPM)	MAX. HRLY. AVG. CONC. DAY	MAX. HRLY. AVG. CONC. HR.	MAX. 5 MIN. INST. CONC. CONC. (PPM)	MAX. 5 MIN. INST. CONC. DAY	MAX. 5 MIN. INST. CONC. TIME
JAN.	4	A	0.01	28#	0.04	28#	17	0.08	28#	1705
FEB.	14	A	0.00	25#	0.02	25#	19	0.04	25#	1740
MARCH	31	0.015	0.05	8	0.10	8	16	0.18	16*	2340
APRIL	19	0.019	0.03	13*	0.06	13*	12	0.10	13*	1215
MAY	24	0.029	0.05	31	0.08	31	17	0.12	21	540
JUNE	22	0.029	0.06	9#	0.15	9#	12	0.47	20	2145
JULY	21	0.044	0.11	19	0.18	19	16	0.22	19	2125
AUG.	26	0.041	0.08	4#	0.16	4#	13	0.19	4#	1355
SEPT.	25	0.027	0.05	13	0.11	20	16	0.14	20	1635
OCT.	20	0.014	0.04	12*	0.10	12*	11	0.14	12*	1120
NOV.	20	0.021	0.04	15	0.06	2*	16	0.11	16*	1320
DEC.	13	A	0.03	2	0.05	3	7	0.14	3	1630
YEAR	243	0.024	0.11		0.18			0.47		

A : AVERAGE NOT CALCULATED BECAUSE OF INSUFFICIENT DATA
* : INDICATES SATURDAY
# : INDICATES SUNDAY

Table I-7. FREQUENCY DISTRIBUTION OF CONCENTRATION OF GASEOUS ATMOSPHERIC POLLUTANTS

(5-minute values, concentration in parts per million)

City/pollutant	Valid data, %	Minimum	Frequency distribution, percent								Maximum	Arithmetic mean
			10	30	50	70	90	95	98	99		
CHICAGO												
CARBON MONOXIDE	65	0	1	3	5	7	13	16	20	24	57	6.2
NITRIC OXIDE	79	.00	.01	.03	.06	.09	.15	.18	.23	.28	.66	.071
NITROGEN DIOXIDE	78	.00	.03	.04	.05	.05	.07	.08	.10	.11	.29	.048
SULFUR DIOXIDE	80	.00	.01	.01	.08	.14	.28	.36	.48	.57	1.33	.117
HYDROCARBON	75	.0	1.9	2.3	2.7	3.2	4.1	4.7	5.6	6.6	17.3	2.90
TOTAL OXIDANT	55	.00	.00	.01	.02	.03	.05	.07	.09	.10	.47	.023
CINCINNATI												
CARBON MONOXIDE	57	0	3	4	5	6	9	11	15	31	45	5.6
NITRIC OXIDE	34	.00	.00	.01	.03	.06	.18	.27	.38	.46	1.26	.064
NITROGEN DIOXIDE	73	.00	.02	.02	.03	.04	.05	.06	.07	.08	1.19	.031
SULFUR DIOXIDE	76	.00	.00	.00	.01	.02	.04	.06	.08	.10	1.49	.017
HYDROCARBON	81	.5	1.7	2.0	2.2	2.6	4.0	5.1	6.5	7.4	18.1	2.58
TOTAL OXIDANT	26	.00	.00	.01	.02	.03	.05	.06	.08	.10	.19	.022
DENVER												
CARBON MONOXIDE	71	0	1	3	4	6	11	14	19	24	90	5.3
NITRIC OXIDE	62	.00	.00	.01	.02	.04	.10	.14	.21	.26	.68	.036
NITROGEN DIOXIDE	71	.00	.01	.02	.03	.04	.06	.07	.09	.11	.38	.036
SULFUR DIOXIDE	60	.00	.00	.00	.01	.02	.03	.04	.06	.08	1.81	.012
HYDROCARBON	71	.0	1.7	2.1	2.5	3.1	4.4	5.4	7.0	8.5	18.7	2.89
TOTAL OXIDANT	48	.00	.00	.01	.03	.04	.06	.07	.09	.11	.43	.029
PHILADELPHIA												
CARBON MONIXIDE	48	0	3	6	8	10	15	18	22	25	49	8.5
NITRIC OXIDE	70	.00	.00	.02	.03	.05	.12	.18	.28	.41	1.68	.054
NITROGEN DIOXIDE	77	.00	.02	.03	.03	.04	.07	.08	.10	.12	.22	.039
SULFUR DIOXIDE	89	.00	.01	.03	.05	.08	.19	.28	.40	.48	1.10	.080
HYDROCARBON	60	.0	1.3	1.6	1.9	2.3	3.3	4.1	5.1	5.9	13.3	2.14
TOTAL OXIDANT	42	.00	.00	.01	.02	.02	.05	.06	.08	.10	.31	.022
ST. LOUIS												
CARBON MONOXIDE	86	0	2	3	4	5	8	10	13	16	47	4.6
NITRIC OXIDE	66	.00	.00	.01	.02	.04	.08	.11	.16	.20	.44	.032
NITROGEN DIOXIDE	81	.00	.01	.02	.02	.03	.04	.05	.06	.07	.20	.023
SULFUR DIOXIDE	90	.00	.00	.00	.01	.03	.07	.11	.18	.23	1.33	.028
HYDROCARBON	89	.4	2.0	2.6	3.1	3.7	5.0	6.0	8.0	9.4	17.1	3.40
TOTAL OXIDANT	48	.00	.00	.01	.02	.03	.04	.05	.07	.08	.37	.022
WASHINGTON D.C.												
CARBON MONOXIDE	82	0	1	2	3	4	6	8	11	14	59	3.3
NITRIC OXIDE	71	.00	.00	.01	.01	.03	.08	.13	.23	.33	.76	.039
NITROGEN DIOXIDE	64	.00	.02	.03	.04	.05	.08	.09	.11	.12	.26	.047
SULFUR DIOXIDE	74	.00	.00	.00	.02	.05	.10	.13	.17	.20	.47	.036
HYDROCARBON	82	.0	1.6	1.8	2.0	2.3	3.0	3.6	4.9	6.0	18.6	2.23
TOTAL OXIDANT	59	.00	.00	.01	.02	.03	.06	.08	.10	.12	.29	.027

Table I-8. FREQUENCY DISTRIBUTION OF SOILING INDEX

(2-hour measurements, concentration in COHS/1000 lineal feet)

(CONCENTRATION IN COHS/1000 LIN. FT.)

CITY	VALID DATA*	MIN	FREQUENCY DISTRIBUTION-PERCENT 10	30	50	70	90	95	98	99	MAX	ARITH MEAN
CHICAGO	100	.0	.9	.9	1.2	1.6	2.3	2.8	3.6	4.1	8.2	1.35
CINCINNATI	95	.0	.2	.5	.7	1.0	1.7	2.2	2.8	3.3	5.6	.87
PHILADELPHIA	100	.0	.3	.6	.8	1.1	1.8	2.2	2.9	3.6	5.6	.95
WASHINGTON, D C	90	.0	.4	.6	.9	1.2	2.0	2.5	3.1	3.6	6.6	1.06
ST LOUIS	80	.0	.2	.4	.6	.8	1.4	1.8	2.3	2.7	4.7	.73
DENVER	75	.0	.2	.4	.6	.9	1.7	2.2	2.9	3.3	6.8	.80

* REPORTED TO NEAREST FIVE PERCENT

VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

SECTION 2.
CHICAGO SEASONAL DIURNAL PATTERNS

CHICAGO SEASONAL DIURNAL PATTERNS

Figures 1 through 6 are graphs showing the seasonal diurnal patterns for carbon monoxide, nitric oxide, nitrogen dioxide, sulfur dioxide, total hydrocarbons, and total oxidants, respectively. Each figure contains four curves, one representing each season, as follows: long-dashed line for summer, short-dashed line for autumn, mixed-dashed line for winter, and solid line for spring.

Each curve represents a composite of the approximately 90 daily patterns in each season, plotted by computer using 15-minute averages derived from the basic 5-minute measurements. Dotted lines indicate portions of the curve for which insufficient data are available to provide a valid seasonal average.

The seasons are defined as follows: Winter consists of December, 1967, and January and February, 1968; spring consists of March, April, and May; summer consists of June, July, and August; and autumn consists of September, October and November, 1968.

It should be noted that CAMP stations operate on a Standard Time basis. Consequently, during the seasons of Daylight Savings Time, 1-hour shifts may be noted in diurnal patterns of certain pollutants because of a shift in the patterns of human activity that generates these pollutants.

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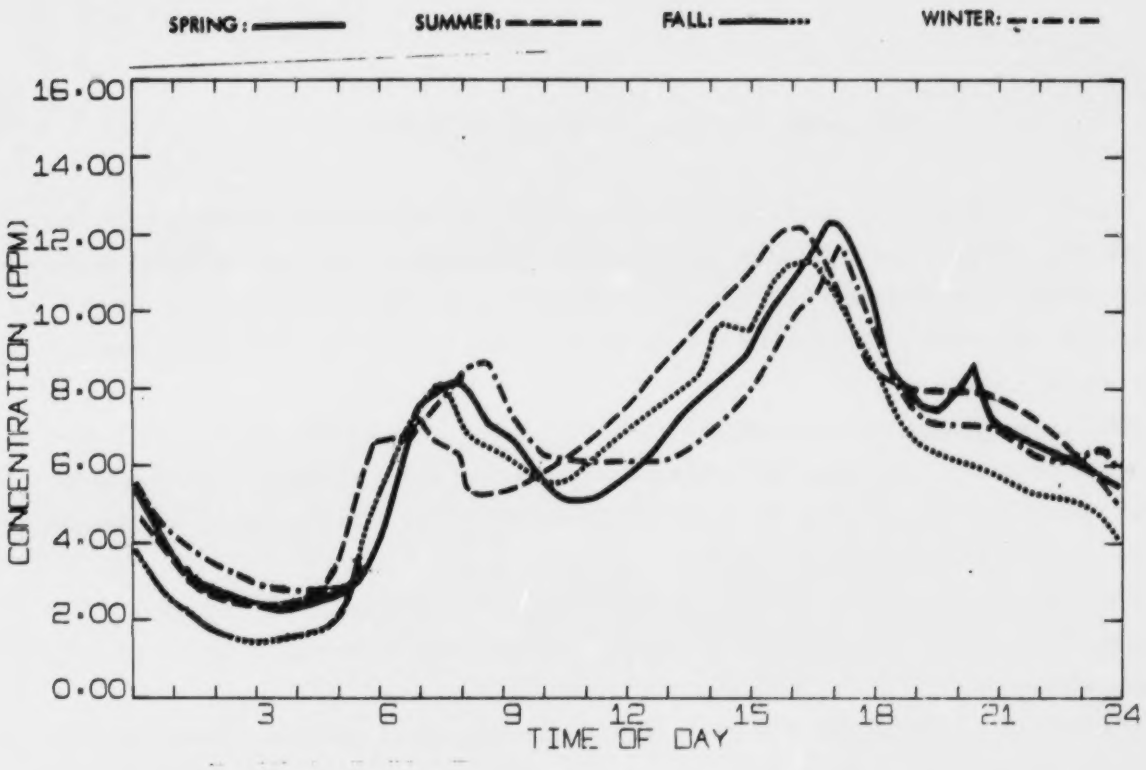

FIGURE 1. SEASONAL DIURNAL PATTERNS OF CARBON MONOXIDE CONCENTRATIONS

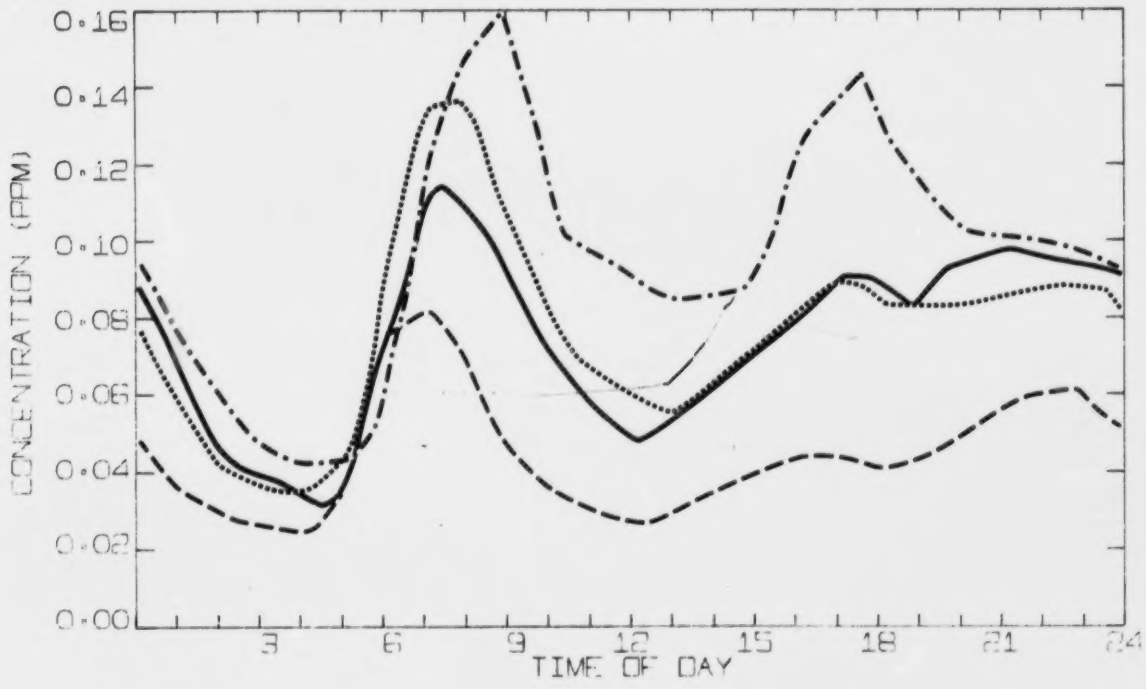

FIGURE 2. SEASONAL DIURNAL PATTERNS OF NITRIC OXIDE CONCENTRATIONS

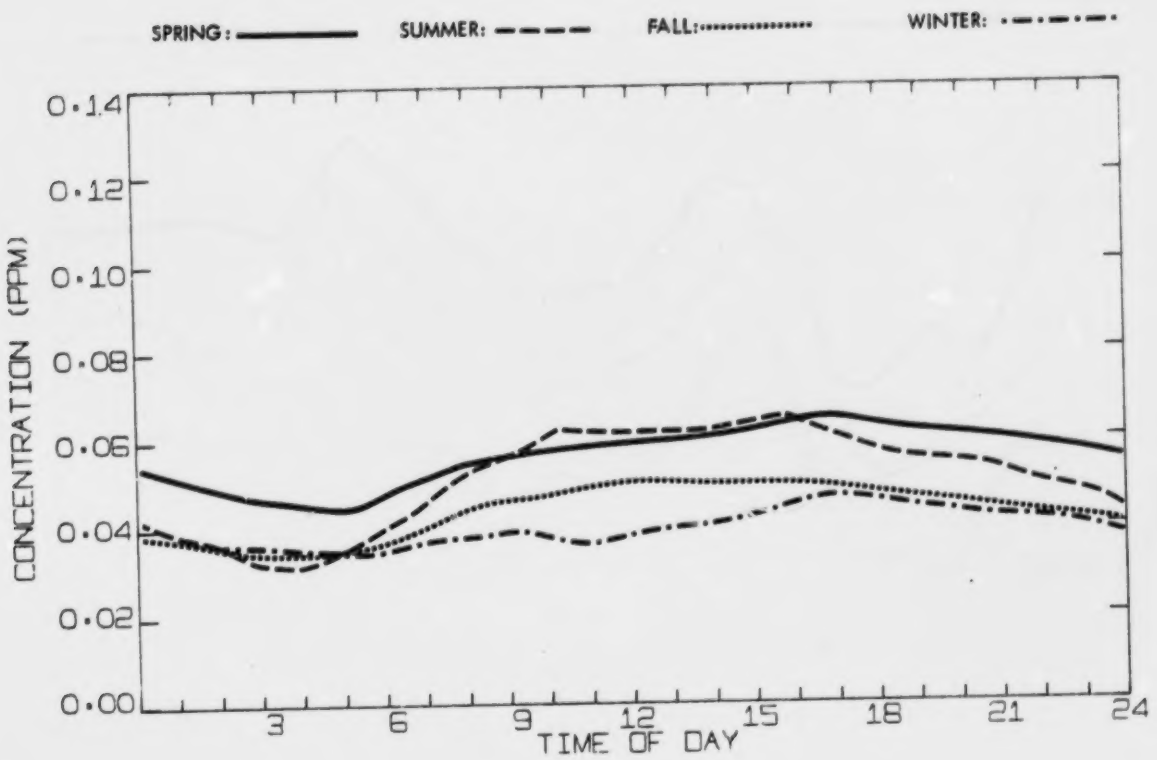

FIGURE 3. SEASONAL DIURNAL PATTERNS OF NITROGEN DIOXIDE CONCENTRATIONS

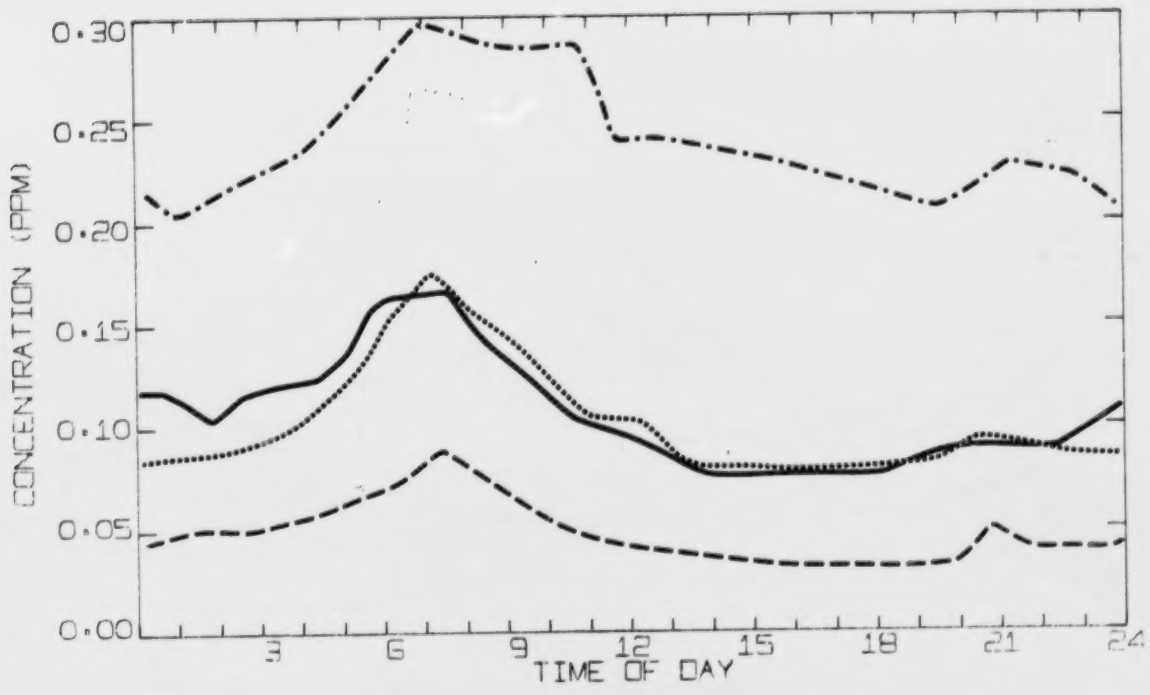

FIGURE 4. SEASONAL DIURNAL PATTERNS OF SULFUR DIOXIDE CONCENTRATIONS

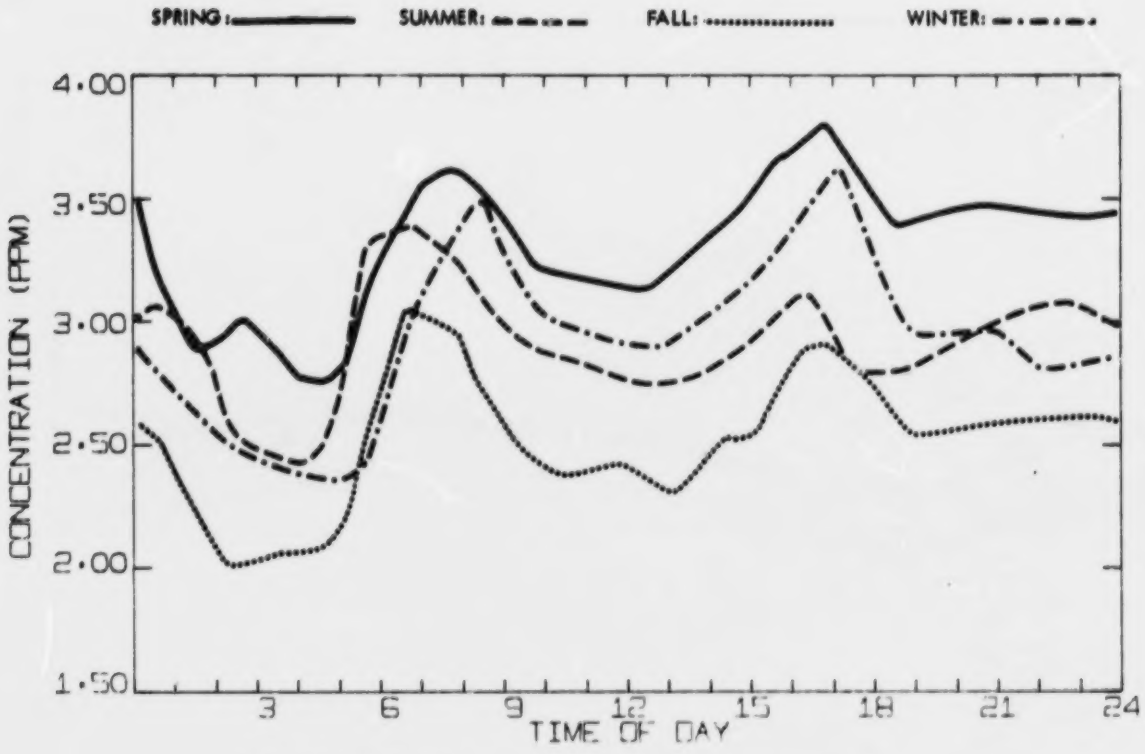

FIGURE 5. SEASONAL DIURNAL PATTERNS OF HYDROCARBON CONCENTRATIONS

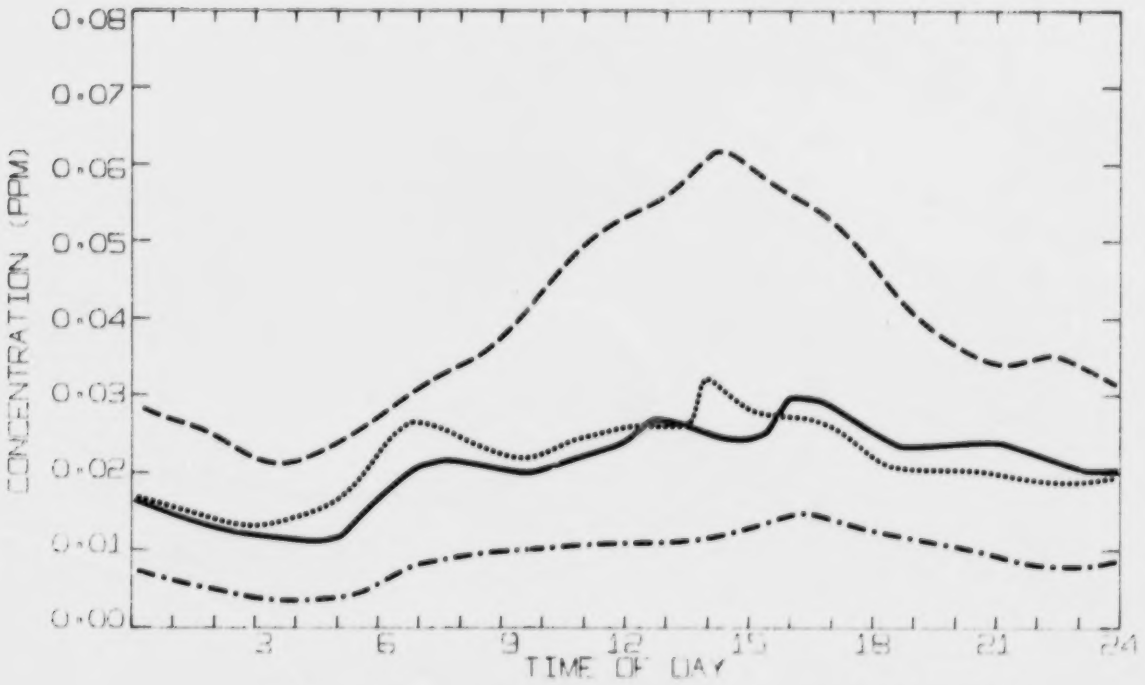

FIGURE 6. SEASONAL DIURNAL PATTERNS OF TOTAL OXIDANT CONCENTRATIONS

SECTION 3.

GASEOUS POLLUTANT DATA TABLES

GASEOUS POLLUTANT DATA TABLES

Data tables 3-1 through 3-72 present hourly average concentrations by month for the gaseous pollutants. Values in these tables are the arithmetic means of the 5-minute values in the clock hour indicated. An hourly average is not calculated if fewer than seven 5-minute values during the hour were valid. Similarly, if a calendar day had fewer than 13 valid data hours, it is considered an invalid data day, and the entire row of averages for the day is deleted. The reason for this procedure, which results in the loss of a few valid hourly averages, is that the data that are lost are usually concentrated at the beginning or end of the day. Since the pollutant concentrations show considerable diurnal variation, the inclusion of such data would introduce a definite bias into the monthly mean concentrations.

The first summary line (titled MEAN) at the bottom of the tables contains the arithmetic means of the hourly averages, and hence represents the pattern of diurnal variation for the month. Again by the same validity criterion, this average is not calculated unless 16 or more hourly averages are present. The second and third summary lines are the number of and maximum of the hourly averages in the column.

The first summary column (titled DAILY MEAN) at the right of the tables is the arithmetic mean* of the 13 or more hourly averages comprising the row, and the second is the number of such valid hourly averages. The third summary column, however, is not the maximum hourly average for the day, but the maximum 5-minute value included in the hours of valid data during the day.

Four summary figures appear in the lower right corner. The upper left is the monthly average, an arithmetic mean, and appears only if 16 or more days were valid. The center number is the total number of valid hours included in the table, which offers some basis for judging the representativeness of the monthly average. The lower left summary number is the maximum daily average from the column above. The lower right number is the maximum 5-minute value from the column above.

*The summary calculations are performed before the hourly averages are rounded.

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CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-1

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

CHICAGO, ILL.

CARBON MONOXIDE
JAN. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5 MIN. MAX
1	6	6	6	7	7	5	4	4	5	5	4	3	4	4	5	6	5	5	5	5	5	5	5	4	4.8	24	8
2	3	2	2	2	2	3				10	7						16	17	11	12	8	5	5	5	6.8	16	25
3	4	3	2	2	2	2	4	8	7	6	6	4	4	5	5	7	9	8	7	4	4	4	4	4	4.8	24	14
4	3	3	2	3	3	3	5	7		6	5	5	5	5	7		10	8	6	5	5	5	6	5	5.1	22	14
5	5	4	3	3	3	3	5	7	8	7	4	4	4	3	4		5	6	5	4	4	5	7	8	4.7	23	16
6*	7	5	4	3	4	4	4	6	7	8	9	9	10	10	9	9	10	8	6	7	5	5	5	8	6.7	24	14
7*	6	5	4	4	4	3	4	4	5	5	5	4	5	5	5	5	5	5	5	4	4	4	5	5	4.6	24	10
8	4	4	4	4	4	6						8	8	7	8	8	7	10	6	4	4	4	4	4	5.7	19	14
9	3	3	3	2	3	3	4	6	7	6	6	5	4	5	6	8			6	4	5	6	6	6	4.8	22	10
10	5	4	3	3	3	3	7	13	20	12	8	8	7	9	11	14	20	21	11	9	8	8	9	6	9.1	24	30
11	4	3	3	3	2	4		12	11			8	8	8	9	14	18	20	13	9	10	7	5	5	8.3	21	30
12							6	8	8	7	8	7	7	7			11	12	9	7	5	5	4	9	7.5	16	16
13*	8	6	5	3	3	3	6	9	8	8	8	8	11	12	13	13	15	12	8	8	7	6	7	10	8.2	24	20
14*	8	6	5	4	3	2	3	3	3	3	3	4	5	5	5		6	5							4.3	17	11
15		2	2	1	2	3	7	9	12	11	9	8	8	9				19	13	11	10	10	11	10	8.3	20	23
16	8	7	7	8	9	10	15	16	14	11	10						11	12	9	7	5	6	5	5	9.0	19	29
17	4	4	4	4	4	4	6	12	14	10	8	6	5	7	7	8	11	10	7	6	5	6	5	5	6.8	24	19
18	4	4	3	3	3	3	6	10	10	7	5	6	6	6	6	9	10	9	7	4	4	4	4	4	5.7	24	14
19	3	2	2	2	2	2	4	6	7	5	6	5	5	5	5		10	10	7	5	5	5	4	5	4.8	23	14
20*	4	3	3	2	3	3	4	5	5	5	4	3	4	3	4	5	9	7	4	4	4	3	4	5	4.2	24	12
21*	4	4	3	3	3	3	2	3	3	1	2	2	3	5	5					8	9		3	2	3.6	19	12
22	1	1	1	1	1	1	3	6	6	4	4	3	3	4	5	14	12	18	12	9	8	6	5	6	5.6	24	32
23	4	2	1	0	0	3	10	10	10	8	9	11	12	11	13	11	11	12	8	6	5	6	5	4	7.2	24	34
24	4	3	2	2	2	2	6	9	9	9	6	5	3	3	4	9	6	7	5	2	3	3	2	1	4.4	24	23
25	2	1	1	2	0	0	2	5	6	5	3	2	2	3	6	13	13	13	11	8	9	9	9	7	5.4	24	29
26	7	6	6	5	5	6	10	14	12	15	12						23	17	17	17	20	18	15	19	12.8	19	35
27*	15	11	8	7	6	7	9	9	9	12	14	12	13	14	11	10	11	10	9	8	8	7	7	9	9.8	24	23
28*	7	7	7	6	5	5	5	6	7	6	6	7	7		17	15	20	20	20	15	13	13	14	10	10.3	23	30
29																											
30																											
31	3	3	3										8	8	10	8	10	11	9	5	5	5	5	5	6.4	15	18
MEAN	5	4	3	3	3	4	6	8	9	7	6	6	6	6	7	10	11	11	9	7	7	6	6	5	6.5		
NO.	27	28	28	27	27	27	25	26	25	26	26	25	26	25	24	19	26	27	27	28	28	27	28	28		630	
MAX	15	11	8	8	9	10	15	16	20	15	14	12	13	14	17	15	23	21	20	17	20	18	15	19	12.8		35

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-2

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

CHICAGO, ILL.

CARBON MONOXIDE
FEB. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1	4	3	2	1	1	2	9	10	11			6	6	6	7	10	11	12	11	9	8	7	6	6	6.6	22	20
2	5	4	3	3	3	4	7	10	9	8	7	7	6	6	8	9	11	9	7	5	5	5	7	7	6.5	24	18
3*	5	4	3	4	3	4	4	5	6	6	8	7	8	11	9	11	14	11	8	11	10	9	8	11	7.4	24	22
4*	11	8	7	4	4	3	3	4	3	4	3		3	7	14	15	14	13	14	10	8	7	8	8	7.6	23	26
5	8	4	5	4	4	4	15	29	25	15	12	11	11	11	10	12	18	19	13	12	14	17	23	18	13.0	24	49
6	11	9	7	6	4	3	15	14	11	5	3	4	4	5	5	7	9	8	5	6	5	4	6	4	6.6	24	29
7	2	2	1	1	2	3	9	10	12	10	8	10	9	9		17	19	20	11	7	6	5	7	6	8.0	23	32
8	4	3	2	1	2	2	6	8	11	10	6	5	4	6	7	5	7	11	4	4	3	4	3	3	4.9	24	19
9	2	1	2	2	2	2	10	9	10	8	8	9	7	8			12	15	10	6	4	7	6	5	6.7	22	28
10*	5	4	3	3	3	3	4	5	6	6	6	7	9	8	7	11	8	10	7	6	8	6	6	6	6.0	24	22
11*	6	5	4	4	2	2	3	3	3	2	2	3	3	5	5	4	6	4	3	4	4	4	5	4	3.7	24	10
12	4	4	2	3	3	4		8	8	7	9	7	7	7	8	8	10	8	7	6	6	7	6	4	6.2	23	19
13	4	3	3	3	3	4			14				4	5	5	6	8	8	6	6	5	4	4	4	5.2	19	21
14	4	3	3	2	2	2	6	7	8	7	8	6	6	6	6	5	7	9	7	4	6	5	4	5	5.3	24	15
15	4	3	3	3	3	3	5	8	8	7	7	6	5	7	6	7	7	9	5	6	7	6	6	6	5.6	24	19
16	5	4	3	3	3	3	7	11	7	6	3	4	3	4	4		7	7	5	4	4	3	4	5	4.7	23	17
17*	4	4	4	3	3	3	4	5	6	5	5	5	5	6	5	6	5	6	5	4	4	4	4	4	4.5	24	9
18*	3	3	3	3	3	3	3	4	4	4	4	5	5	5	5	5	5	6	5	4	4	4	5	4	4.0	24	9
19	5	3	3	3	3	6			16	14	7	6	5	6	6	7	13	12	9	7	8	7	6	5	7.0	22	29
20	4	3	2	2	2	3	9	12	11	7	9	7	7	7	9			14	9	8	8	8	5	7	6.9	22	41
21	4	3	3	3	3	4	6	8	9	7	7	7	7	8	8	9	11	12	7	6	6	6	6	5	6.6	24	23
22	5	4	4	3	3	4	6	9	9	8	7	6	6	7	6	5	10	8	7	7	6	7	6	6	6.2	24	20
23	5	4	4	3	4	4		11	16			7	8	8	5			18	16	9	10	8	8	7	8.1	19	40
24*	8	5	4	5	4	4	5	6	7	4	6	7	10	11	10	10	12	12	9	9	11	6	9	11	7.7	24	25
25*	8	8	5	4	3	4	4	3	3	3	3	4	4	4	7	10	9	10	12	9	6	5	5	6	5.7	24	20
26	5	4	5	4	5	5						7	7	7	6	9	12	12	7	5	8	7	6	5	6.6	19	23
27	4	4	3	3	3	3	8	10	9	5	4	4	3	4	4	5	7	9	6	4	4	4	5	4	4.9	24	28
28	3	2	2	2	2	2	6	9	9				7	8	13	10	22	40	36	34	35	35	34	32	16.2	21	51
29																											
MEAN	5	4	3	3	3	3	7	9	9	7	6	6	6	7	7	8	11	12	9	7	8	7	7	7	6.7		
NO	28	28	28	28	28	28	23	25	27	23	23	25	28	28	26	24	26	28	28	28	28	28	28	28		642	
MAX	11	9	7	6	5	6	15	29	25	15	12	11	11	11	14	17	22	40	36	34	35	35	34	32	16.2		51

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-3

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
MARCH 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1	3		3	3	2	3	5	6	7	4	2	3	4	4	3	5	7	9	6	7	5	10	8	6	5.0	23	16
2*	6	3	2	2	2	2	3	3	5	8	7	6	8	7	8	9	8	10	7	7	9	7	7	8	5.9	24	16
3*	7	5	3	3	2	2	3	3	3	2	3	3	4	4	6	4	4	6	6	5	5	3	4	3	3.9	24	13
4	2	2	2	2	2	2		7	7	6	5	5	5	6	7	9	11	12	13	18	18	8	5	4	6.8	23	30
5	4	3	3	3	3	4	10	10	11				4	4	7	7	12	17	9	6	8	7	7	5	7.0	21	36
6	4	3	3	3	3	3	8	13	17	10	6	8	7	11	10	9	13	11	8	8	8	8	7	7	7.7	24	27
7	5	3	3	3	4	5	10	13	11	6	5	6	5	7	9	9	13	13	8	9	10	8	6	6	7.2	24	40
8	4	3	3	3	2	2	6	9	9	8	7	8	7			9	27	22	15	19	19	16	16	12	10.2	22	49
9*	7	4	3	2	3	2	3	3	4	5	6	5	6	5	5	6	5	6	4	6	11	6	7	8	5.0	24	23
10*	7	4	3	2	2	2	2	2	2	2	3	4	3	5	6	6	7	8	6	4	3	3	3	2	3.8	24	17
11	2	1	1	0	0	1	4				4	4	7	7	8	12	13	17	10	6	6	6	4	3	5.4	21	39
12	2	1	0	0	0	1	5	11	9	10	5	6	7	9	8			12	8	7	6	7	7	6	5.8	22	29
13	4	4	3	2	3	3	9	12	10	11							8	11	6	7	6	8	5	5	6.3	18	29
14	3	3	3	3	3	3	7	9	8	5	4	5	4	4	5	4	6	5	5	5	6	4	4	4	4.7	24	14
15	2	2	1	1	1	2	4	5	5	5	4	3	4	5			14	14	10	6	6	5	5	5	4.9	22	26
16*																											
17*																											
18																											
19	2	1	1	2	2	3	6	10	9	8	8	6	5	7	9	10	12	12	9	5	4	4	4	5	6.0	24	21
20	4	3	3	3	4	4	4	6	8	6	5	4	6	9	7	9	10	15	9	8	7	7	5	5	6.3	24	23
21	5	2	2	2	2	3	9	15	16	10	10	9	9	10	8	14	13	10	6	4	5	5	5	5	7.5	24	27
22	3	2	2	2	2	3	5	8	10	10	8		7	10	11	13	14	14	10	7	7	7	5	6	7.3	23	25
23*	5	3	2	2	2	2	3	3	4	5	4	5	6	6	6	7	6	6	6	4	4	3	4	4	4.1	24	15
24*	3	2	1	1	1	2	2	2	2	1	2	2	4	4	4										2.2	15	8
25																											
26		4	4	3	3	4	7	8	8	7	7	8	9	10	12	14	13	12	13	20	26	21	18	3	10.0	23	38
27	3	2	1	1	2	3	7	9	8	6	4	4	5	8	10	10	11	10	6	5	4	3	3	2	5.3	24	17
28	1	1	1	0	0	0	1	4	5	2	3		3	5	8	8	9	10	8	7	6	5	4	6	4.1	23	14
29	3	3	4	4	4	5	7	12	14	11	8	8	11	17	11	13	15	11	9	8	6	7	5	14	8.7	24	32
30*																											
31*																											
MEAN	4	3	2	2	2	3	5	8	8	6	5	5	6	7	8	9	11	11	8	8	8	7	6	6	6.1		
NO	24	24	25	25	25	25	24	24	24	23	23	21	24	23	22	21	23	24	24	24	24	24	24	24		568	
MAX	7	5	4	4	4	5	10	15	17	11	10	9	11	17	12	14	27	22	15	20	26	21	18	14	10.2		49

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-4

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
APRIL 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	12	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5 MIN MAX
1		3	3	2						7							15	18	17	10	8	12	6	5	4	8.5	13	28
2	4	2	2	1	2	2	5	5	3	7	6	4	7	6	10		12	20	20	13	9	6	4	2	1	6.2	24	39
3	2	1	1	0	1	1	4	9	5	9	5		8	6	8		8	11	12	7	3	2	2	3	3	4.8	23	19
4	3	2	2	1	2	3	5	9	6	4	4	4	3					7	10	9	6	7	6	7	6	5.0	21	16
5	4	1	1	1	0	1	8	10	7	7	4	5	7	7	9		19	14	16	10	6	4	4	3	7	6.5	24	37
6*	10	6	3	3	2	2	3	4	3	3	2	3	4	5	4		5	6	7	5	2	2	1	1	2	3.6	24	15
7*	2	2	0	1	1	1	1	1	0	0	1	1	2	5	6		5	3	3	1	1	1	0	0	0	1.5	24	7
8																												
9	3	3	3	3	3	4	6	7	7	4	4	6	7	10	11		13	12	11	8	8	7	7	6	6	6.6	24	24
10		4	3	3	4	6	12	17			9	7	7	4	8		11	10	10	9	7	6	7	4	5	7.3	21	27
11	4	5	5	4	5	6	7	7	6	3	1	1	1	1	2		2	6	6	8					3	4.1	20	14
12																												
13*																												
14*																												
15																												
16																												
17																												
18																												
19		4	3	2	3	4	11	11	13	11	7	8	9	14	18		23	26	22	13	13	15	13	15	17	11.8	23	35
20*	15	8	7	6	5	5	6	8	7	9	7	9	10	8	7		7	6	5	4	3	4	3	4	3	6.5	24	23
21*	3	2	3	4	4	4	3	4	5	5	7	7	8	10	14		15	14				15	13	13	11	7.7	21	19
22																												
23																												
24																												
25																												
26																												
27*																												
28*																												
29												12	15	15	15		14	15	13	11	11	11	11	12	11	12.6	13	25
30	9	9	8	8	10	18	21	17		14	11	9	9	14	20		17	22	14	15	15	19	13	17	13	13.9	23	36
MEAN	11	14	14	14	13	13	13	13	11	13	13	13	14	13	13		14	15	14	14	13	14	14	14	15		322	
NO	15	9	8	8	10	18	21	17	13	14	11	12	15	15	20		23	26	22	15	15	19	13	17	17	13.9		39
MAX																												

TABULATED WED., SEP. 10, 1969

* Indicates Saturday or Sunday
Local standard time used

Table 3-5

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

CHICAGO, ILL.
CARBON MONOXIDE
MAY 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1																											
2																											
3								14	13	10			15	10	13	16	18	16	15	14	11	9	13		13.2	14	48
4*																											
5*																											
6																											
7																											
8																											
9																											
10																											
11*																											
12*																											
13																											
14																											
15																											
16																											
17																											
18*																											
19*																											
20																											
21																											
22																											
23																											
24																											
25*																											
26*																											
27																											
28																											
29																											
30																											
31																											
MEAN								1	1	1			1	1	1	1	1	1	1	1	1	1	1			14	
NO								14	13	10			15	10	13	16	18	16	15	14	11	9	13		13.2		48
MAX																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-6

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5 MIN. MAX
1*																											
2*																											
3																											
4																											
5																											
6																											
7																											
8*																											
9*																											
10																											
11																											
12																											
13																											
14																											
15*																											
16*																											
17																											
18		5	5	6	7	9	12	15				11	11	11	9	11	14	14	13	14	13	13	12	10	10.7	20	24
19	8	9	8	7	8	12	15	13	10	10	12	12	17	15	14	15	15	13	16	10	12	14	9	9	11.7	24	25
20	9	7	7	9	12	14	12	13	10	9	9	11	12	13	13	18	17	15	14	15	10	10	9	7	11.4	24	25
21	6	6	5	5	5	10	13	14	10	10				7	9	10	11	10	11	12	10	9	11	9	9.2	21	22
22*	5	4	2	3	3	5	5	5	5	5	7	9	10	10	9	8	8	6	6	6	6	7	6	9	6.2	24	16
23*																											
24											14	11	10	14	13	11	12	9	7	7	7	6	7	6	9.7	14	24
25																											
26									7	4			6	6	6	7	8	4	5	4	4	3	4	3	5.1	14	15
27										5	5	4	4	4	5	6	7	5	4	3	2	2	1	1	3.8	15	11
28	0	0	0	0	1	5	4	4	4	3	3	5	4			5	5	1	1	3	2	0	2	1	2.3	22	17
29*	0	0	0	0	0	0	0	0	0	0	2	1	0	0	1	1	1	0	0	1					0.4	20	9
30*											0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	14	1
MEAN	6	7	7	7	7	7	7	7	7	8	8	9	10	10	10	11	11	11	11	11	10	10	10	10		212	
NO	9	9	8	9	12	14	15	15	10	10	14	12	17	15	14	18	17	15	16	15	13	14	12	10	11.7		25
MAX																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-7

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

CHICAGO, ILL.

CARBON MONOXIDE
JULY 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1																											
2	3	2	3	4	4	5			4	5	5	6	7	7													
3																			6	5	5	6	6	5	4.9	18	13
4	8	6	3	2	2	2	2	2	1	2	2	3	2	2	3	3	3	4	3	2	4	5	5	3	3.0	24	14
5																											
6*																											
7*	7	1 5	1 3	1 2	1 3	2 3	3 2	4 2	4 2	3 3	4 3	2 3	3	7 5	8 6	9 7	12 5	7	5 3	6 1	7 3	9 2	11 2	8 1	5.2	22	17
8																									3.3	23	12
9																											
10																											
11																											
12																											
13*		5	4	4	5	4	6	10	13	12	4	6	6	7	7	7	8	8	7	9	8	8	6	4	6.9	23	25
14*	2	1	0	0	0	0	0	1	1	2	3	3	4	6	6	7	9	8	6	6	6	5	3	2	3.3	24	15
15	1	1	0	0	1						6	6	6	7	8	9	9	8	6	6	8	5	3	3	4.8	19	19
16	2	1	1	2	2	4	7	6	7	7	7			11	11	11	13	10	9	8	9	8	7	5	6.6	22	18
17	3	2	2	2	2	6	7	8	7	6	8	10	10	12	12	13	12	10	9	10	8	8	7	5	7.4	24	19
18	3	3	3	2	3	4	6	7	6			6	11	9	11	14	15	12	11	11	12	12	11	10	8.3	22	23
19	7	6	5	5	5						11	13	12	14	12	15	17	13	10	11	10	15	13	11	10.7	19	30
20*	7	5	5	5	7	8	8	6	6	7	9	14	11	12	14	14	17	15	12	13	14	9	11	6	9.8	24	25
21*	14			8	6	6	5	5	5	5	6	7	9	10	11	11	12	11	11	11	11	10	8	6	8.5	22	24
22	5	5	4	4	5	8					9	12		14	14	17	15	12	13	10	8	11	10	7	9.6	19	25
23	4	3	3	4	5					8	9	9	14	14	14	7	11								7.9	13	29
24																											
25																											
26																											
27*	7	1 4	0 4	0 4	2 5	5	5	5	4	5	5	9 8	12 9	16 10	17 13	19 11	18 12	17 9	12 11	13 13	14	9	8	9	10.2	16	37
28*																									7.7	21	27
29																											
30																											
31		0	0	0	0	1	3	5	3	1	2	2	3	5	6	6	5	2	2	3	3	6	5	3	2.7	23	17
MEAN		3	2	3	3						6	7		9	10	11	11		8	8	8	8	7	5	6.6		
NO	14	17	17	18	18	14	12	12	13	13	16	17	15	18	17	17	17	15	17	17	16	16	16	16		378	
MAX	14	6	5	8	7	8	8	10	13	12	11	14	14	16	17	19	18	17	13	13	14	15	13	11	10.7		37

* Indicates Saturday or Sunday
Local standard time used

TABULATED: WED., SEP. 10, 1969

Table 3-8

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

CHICAGO, ILL.

CARBON MONOXIDE
AUG. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5 MIN MAX
1	1	1	0	0	0	4	7	7	5	6	6	5	7	7	7	7	7	6	5	8	6	2	1	1	4.4	24	35
2	4	5	4	0	1	3	5	5	5	4			5	6	7	7	9	7	6	7	6	7	4	7	5.0	22	24
3*	2	2	1	1	0	2	3	5	7	7	6	9	7	9	12	9	12	8	7	9	10	10	18	13	6.9	24	23
4*	4	0	0	0	0	0	1	2	2	2	2	4	4	7	8	11	11	9	5	5	8	11	8		4.5	23	18
5	0	1	0	0	0		6		4	2	3		4	4	4		5	5	4	5	3	3	3	2	2.9	20	12
6	1	1	0	0	1	2	4	6	3	3	6	7	8	10	11	12	12	9	7	9	10	7	7	3	5.8	24	22
7						6	11	6	7	9	10	9	10	12	14	15	15	10	7	8	8	6	6	5	9.2	19	31
8							12	8	4	9	8	5	7	13	8	7	6	10	10	11	11	9	7	4	8.3	18	24
9	5	3	1	0	1	10	14	14				14	14	16	13	14	16	11	10	9	10	11	8	6	9.5	21	27
10*	5	5	2	1	0	2	3	2	2	3	5	6	6	9	9	10	7	6	4	5	9	8	6	7	5.0	24	20
11*	4	4	2	1	0	2	1	0	1	0	2	2	4	6	8	9	11	7	4	4	4	3	1		3.5	23	22
12		0	0	0	1					3	5	7	7	6			7	5	6	6	5	3	0	0	3.5	17	12
13																											
14																											
15																											
16																											
17*																											
18*																											
19																											
20		2	2	1	2	4	5	4		7	8	9	11	14	20	24	27	12	10	12	10	12	8	6	9.6	22	39
21	5	4	3	3	3		7	8	5	4		8	9	11	13	17	14	13	13	12	10	9	7	6	8.4	22	23
22	5	3	3	3	3	4	7	6	5	6	6	7	11	12	14	17	15	12	11	9	8	8	8	6	7.9	24	22
23	5	4	4	3	3	8	8	9	5	5	6	8	10	14	16	17	14	13	12	11	10	9	9	6	8.6	24	25
24*	5	5	3	3	3	3	3	3	2	3	4	6	7	9	10	11	10	10	9	8	6	5	4	2	5.5	24	13
25*	1	0	0	0	0	0	1	1	1	2	2	4	5	8	12	15	12	7	9	7	6	5	6	3	4.4	24	23
26	2	2	1	0	1		9	12	10	8	8	12	11			19	17	13	7	6		4	5	3	7.4	20	37
27	2	2	3	1	2	7	12	11	7	6	7	6	10	12	16	16	18	13	7	7	7	8	5	4	7.6	24	34
28	1	3	6	8	8	17	18	6	4	7	9	9	10	14	19	23	26	25	20	12	12	17	13	13	12.4	24	42
29	10	4	4	1	5	15	16	13	8	10	10	9	9	14	21	20	20	16	12	10	12	10	11	14	11.5	24	38
30	5	3	3	4	4	6	8	12	7	8	7	11	12			24	23	15	11	10	14	10	11	4	9.7	22	34
31*	3	3	3	2	2	4	4	6	6	5	6	7	10	9	9	10	9	7	4	4	4	3	4	3	5.3	24	24
MEAN	3	2	2	1	2	5	7	6	5	5	6	7	8	10	12	14	13	10	8	8	8	8	7	5	7.0		
NO	20	22	22	22	22	19	23	22	21	23	21	22	24	22	21	22	24	24	24	24	23	24	24	22		537	
MAX	10	5	6	8	8	17	18	14	10	10	10	14	14	16	21	24	27	25	20	12	14	17	18	14	12.4		42

* Indicates Saturday or Sunday
Local standard time used

WED., SEP. 10, 1969

Table 3-9

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

CHICAGO, ILL.

CARBON MONOXIDE
SEPT. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1*	3		0	0	0	0	0	1	1	2	1	2	2	2	5	5	5	4	3	4	3	3	4	2	2.3	23	17
2	2	1	0	1	0	1	3	2	2	2	2	3	5	7	9	8	10	13	10	11	9	10	6	4	5.0	24	23
3	2	2	2	2	2	6	6	8	6	8	8	10	12	13	15	19	16	14	13	12	10	8	7	6	8.6	24	27
4	4	3	2	2	3	7	11	11	8	6	7	8	8	7			13	10	8	8	7	7	7	6	7.0	21	21
5	5	4	4	4	5	8	12	17	15	16	12	16	14	19	23	18	24	15	11	11	10	9	7	6	12.0	24	41
6	5	4	4	4	5	8	10	8	8			8	8	9	11	15	13	12	13	14	11	11	18	10	9.4	23	36
7*	7	6	5	6	8	11	11	8	6	7	8	9	10	11	12	14	13	10	9	7	7	7	7	6	8.5	24	20
8*	4	4	3	3	3	4	4	4	4	5	6	7	8	9	9	8									5.3	18	14
9																											
10																											
11																											
12																											
13																											
14*																											
15*																											
16																											
17																											
18	2	1	1	1	1	4	9	10			5	4	7	7	7	9	8	5	4	3	4	5	5	3	4.6	22	17
19	3	1	2	1	2	3	5	10	5	6	5	4	3				9	7	5	5	4	1	4	3	4.2	21	21
20	0	0	0	0	2	11	16	10	10	8	3	3	3	5		9	16	14	11	14	10	7	8	6	7.1	23	29
21*	4	1	0	0	0	3	5	5	3	14	11	14	7	8	9	8	7	11	9	10	10	4	4	7	6.4	24	29
22*	2	2	0	0	1	1	2	1	4	4	5	6	8	10	17	19	17	14	14	11	9	9	10		7.2	23	34
23	4	1	1	1	4	19	16	21	14	12			7	8	9	9	9	9	6	4	5	3	2	2	7.5	22	40
24	2	1	1	1	1	4	7	19		4	7	8	6	6	8	6	7	6	5	5	5	4	3	2	5.0	23	29
25	2	0	0	0	0	5	11	7	4	4	4	4	4	6	8	8	8	6	4	4	6	3	6	7	4.5	24	19
26	4	2	1	1	2	12	21	18	10	13	8	6	11	8	12	15	19	11	4	4	5	10	9	7	8.8	24	36
27	6	4	2	1	2	4	8	8	9	8			13	8	14	15	20	10	9	6	6	6	5	3	7.5	22	51
28*	3	3	1	1	1	5	11	6	3	4	4	5	5	9	9	11	8	4	4	4	4	6	13	13	5.7	24	24
29*	13		5	7	5	2	3	2	1	2	1	3	4	4	5	5	4	4	5	4	3	4	3	2	3.9	23	24
30	0	0	0	0	1	8	10	10	5	4	3	5	5	6	10		10	12	10	7	5	4	3	2	5.2	23	19
MEAN	4	2	2	2	2	6	9	9	6	7	6	7	7	8	10	11	12	10	8	7	7	6	6	5	6.5	477	
NO	21	19	21	21	21	21	21	21	19	19	18	19	21	20	18	18	20	20	20	20	20	20	20	19	12.0		51
MAX	13	6	5	7	8	19	21	21	15	16	12	16	14	19	23	19	24	15	14	14	11	11	18	13			

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-10

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
INFRARED ANALYSIS

CHICAGO, ILL.

CARBON MONOXIDE
OCT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	2	1	0	0	0	0	3	6	4	3				3	5	6	7	8	6	5	3	2	2	2	3.2	21	14
2	1	2	1	1	1	2	5	6	7	3	3	3	4	5	6	6	5	5	4	4	6	6	3	3	3.8	24	16
3	1	1	1	1	1	3	5	5	6	5	5	7	7	7	9	9	9	6	5	6	4	5	3	2	4.7	24	22
4	1	1	0	2	2	5	9	8	6	5		6	8	8	8	11	10	6	7	6	5	5	12	14	6.4	23	24
5*	11	7	4	2	3	4	8	9	6	5	6	7	7	9	12	7	7	5	6	4	3	4	5	5	6.1	24	18
6*	2	2	1	1	1	1	2	2		2	2	3		3	4	4	3	4	4	2	3	4	3	2	2.4	22	10
7	1	1	1	1	4	10	7	8	5	6	8	6	5				12	6	5	3	2	2	2	1	4.5	21	23
8	1	1	1	1	1	7	6	9	6	5	5	5	6	10	10	11	15	9	6	6	6	4	3	3	5.7	24	26
9	2	3	2	3	2	4	6	5	6	4	6	6	6	10	12	10	7	4	3	2	2	2	2	2	4.6	24	18
10	1	1	0	0	1	4	10	12	5			6	7	10	12	15	20	14	12	11	9	9	8	6	7.8	22	43
11	4	1	1	3	4	10	21	17	8	5	5	6	10	10	13	14	9	6	5	13	14	10	9	6	8.4	24	43
12*	5	3	2	2	1	3	5	8	9	11	9	16	14	11	11	19	21	21	13	12	11	12	8	11	9.9	24	41
13*																											
14																											
15		0	0	0	0	2	4	5	4	3	4	3	6	8	10	12	12	8	6	5	4	2	2	1	4.3	23	21
16	1	1	1	0	2	8	11	15	7	9	7	10	11	12	11	13	11	8	7	7	5	5	5	4	7.0	24	26
17	3	2	2	2	2	4	4	6	4	5	6	4	6	6	6	7	7	2	2	2	2	1	1	1	3.6	24	14
18	1	0	0	0	1	4	4	5	3	5			6	6	9	7	7	4	6	4	5	4	1	1	3.8	22	27
19*	1	0	0	0	0	0	1	1	2	2	4	5	6	6	8	7	5	5	6	5	4	4	3	2	3.1	24	16
20*	2	0	0	0	0	0	0	0	0	1	2	4	6	7	8	7	6	5	4	4	3	5	5	5	3.0	24	16
21	3	1	0	0	1	7	23	14	8	6	6	5	4		7	8	11	4	3	2	2	1	1	0	5.0	23	48
22	0	0	1	0	0	3	2	4	2	3	1	1	3	2	4	5	5	3	2	2	2	4	2	1	2.2	24	14
23	1	0	0	0	0	3	7	10	8		6	5	7	6	6	8	10	7	6	6	7	6	6	4	5.3	23	26
24	5	4	3	3	5	13	19	16	13	12	9	11	10	12	11	14	13	10	8	5	8	8	8	5	9.2	24	30
25	3	1	1	1	2	7	15	14	12	12		14	13	17	22	22	20	13	10	9	5	6	5	4	9.8	23	57
26*	3	2	1	1	2	4	5	4	3	4	5	7	9	8	9	9	8	7	8	8	6	5	5	4	5.2	24	12
27*	4	3	2	2	2	1	2	2	2	2	3	4	5	6	4	5	5	3	3	3	3	2	2	3	3.0	24	8
28	2	1	0	0	1	1		11	6	8	6	8	9	9	12		14	15	9	6	6	5	5	6	6.3	22	30
29	4	3	2	3	2	3	6	10	8	8	6	6	6	7	9	9	13	12	8	6	8	8	6	6	6.6	24	35
30	5	4		10	6	7	10	10	10	10	8	10	13	14	15	22	17	10	10	5	4	3	6	4	9.2	23	41
31	3	3	2	2	0	0	1	6	7	6	7	11	11	13	13	13	23	23	13	10	6	3	3	2	7.5	24	33
MEAN	3	2	1	1	2	4	7	8	6	5	5	7	8	8	9	10	11	8	6	6	5	5	4	4	5.6		
NO	28	29	28	29	29	29	28	29	28	27	24	27	27	27	28	27	29	29	29	29	29	29	29	29		676	
MAX	11	7	4	10	6	13	23	17	13	12	9	18	14	17	22	22	23	23	13	13	14	12	12	14	9.9		57

TABULATED WED., SEP. 10, 1969

* Indicates Saturday or Sunday
Local standard time used

CONTINUOUS AIR MONITORING PROGRAM

Table 3-11

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
INFRARED ANALYSIS

CARBON MONOXIDE
NOV. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	2	2	1	1	1	1	3	5	4	3	3			7	7	8	8	7	5	3	3	2	4	4	3.7	22	16
2*	1	1	0	0	0	0	0	2	7	4	6	6	9	7	7	5	15	12	6	2	4	5	6	5	4.6	24	26
3*	6	3	1	1	0	0	0	0	0	1	2	3	4	5	12	7	10	9	7	6	5	4	6	5	4.1	24	26
4	3	1	1	1	1	2	4	17	9	6			9	12	14	15	15	17	12	9	7	10	5	5	7.8	22	35
5	3	3	3	3	4	6	10	19	13	9	8	7	9	11	14	17	16	12	8	6	7	5	5	5	8.4	24	46
6	5	3	2	2	2	2	9	13	17	14	11	9	10	10	11	16	14	22	13	6	9	5	6	4	8.9	24	36
7	3	1	0	1	0	0	3	8	9	7	5	6	10	9	13	15	19	18	13	11	8	7	6	5	7.4	24	32
8	3	2	1	1	1	3	7	7	9	8	4	6	4	4	7	8	7	9	9	4	6	4	6	5	5.1	24	20
9*	5	3	2	1	1	1	3	4	6	6	8	8	9	7	8	10	8	4	5	6	4	4	7	7	5.3	24	34
10*	5	3	2	2	2	2	1	3	3	3	5	6	6	5	13	8	10	7	7	4	4	4	4	3	4.6	24	21
11	3	2	2	2	1	2	2		6	5	7	7	7	10	14	10	14	13	8	9	6	6	5	5	6.3	23	22
12	3	1	1	1	1	1	5	7	10	9				11		12	11	9	7	7	6	5	4	2	5.7	20	22
13	2	1	1	0	0	2	5	8	10		6	5	5	7	9	9	10	11	10	6	5	6	5	5	5.6	23	22
14	3	4	2	2	2	3	7	7	10	8	7	9	6	9	15	19	13	11	10	10	9	9	10	11	8.2	24	43
15		7	5	4	6	8	11	14	17	17	12	14	11	12	14				9	14	11	13	13	11	11.1	20	33
16*	9	6	5	4	4	4	5	7	9	10	12	10	17	19	12	13	12	11	10	10	9	6	6	5	8.8	24	29
17*	4	3	3	2	2	2	2	2	3	2	3	4	3	3	3	4	5	4	4	5	4	4	2	2	3.0	24	15
18	1	1	1	0	0	0	2	4		4	5	4	4	4	7			12	7	6	7	10	3	3	4.0	21	19
19	2	2	1	1	1	2	4	6	6	6	6	4	6	5	6	7	7	8	5	4	5	5	4	3	4.4	24	16
20	3	2	1	1	1	2	3	7	5	4	3	5	3	5	5	6	7	8	6	4	4	4	3	4	4.0	24	15
21	3	2	2	2	2	2	4	5	5	4	5	5	5	9	8	10	12	11	6	4	3	3	3	3	4.8	24	17
22	2	1	1	1	1	1	6	9	8			14	11	11	10	12	17	15	14	8	7	5	4	5	7.4	22	25
23*	3	2	1	1	1	1	1	1	2	2	2	3	4	6	6	7	6	5	4	4	4	3	3	4	3.1	24	17
24*	3	2	1	0	0	0	0	0	0	0	2	3	4	5	4	6	7	6	6	4	3	3	2	3	2.6	24	14
25	2	0	0	0	0	0	3	7	8	6	6			8	11	11	13	10	8	8	11	10	8	7	6.1	22	20
26	6	4	2	2	3	4	7	11	14	9	7	7	7	9	9	9	15	16	9	6	6	6	7	5	7.5	24	27
27	4	3	2	1	1	1	9	15	12	7	6	6	7	9	11	20	18	20	14	7	11	11	9	15	9.1	24	41
28	10	7	8	4	3	2	3	3	3	4	6	4	4	4	5	8	8	7	6	6	10	4	6	4	5.4	24	21
29	3	2	2	1	1	2	6	8	8	6	9		6	5	6	8	8	9	5	5	6	4	4	4	5.0	23	19
30*	3	2	2	1	1	1	2	2	3	3	5	6	8	9	8	9	11		10	8	11	9	7	7	5.6	23	24
MEAN	4	2	2	1	1	2	4	7	7	6	6	7	7	8	9	10	11	11	8	6	6	6	5	5	5.9		
NO	29	30	30	30	30	30	30	29	29	28	27	25	27	30	29	28	28	28	30	30	30	30	30	30		697	
MAX	10	7	8	4	6	8	11	19	17	17	12	14	17	19	15	20	19	22	14	14	11	13	13	15	11.1		46

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-12

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CONCENTRATION IN PPM
INFRARED ANALYSIS

CHICAGO, ILL.

CARBON MONOXIDE
DEC. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1*												6	6	8	10	14	12	13	11	7	6	6	6	6	8.4	13	26
2												7	6	5	5	8	10	9	6	5	5	4	5	3	5.9	24	33
3	5	4	3	3	3	3	7	11	10	7	8	5	4	4	6	7	9	7	5	4	4	3	3	3	4.2	24	15
4	3	3	2	2	2	2	4	6	7	6	4	5	5	6	6	6	7	6	4	4	4	3	3	3	3.8	24	12
5	1	1	1	2	1	1	3	4	4	5	5	6															
6	3	2	2	2	2	2	4	6	7	6	7	7	7	7	8	9	8	8	7	5	5	6	8	8	5.7	24	25
7*	4	4	3	3	4	3	4	6	7	7	8	9	10	12	10	8	9	8	8	7	9	6	8	8	6.8	24	19
8*	7	5	4	4	3	3	4	4	4	5	7	7	8	9	10	10	12	9	8	10	9	7	8	9	6.9	24	28
9																											
10	3	3	2	2	2	3	4	4	5	3	5	4	3	5	5	5	9	10	5	4	6	4	4	3	4.3	24	24
11	3	2	2	1	2	3	5	8	8	7	9	8	8	8	9	9	10	11	7	6	5	4	4	3	5.9	24	24
12	2	2	1	1	2	2	4	6	6	6	4	5	5	5	5	6	8	7	4	3	4	3	3	3	3.9	24	22
13	2	1	1	1	1	1	2	3	3	3	2	2	2	3		5	7	6	3	2	2	1	1	2	2.4	23	11
14*	1	1	0	0	0	1	1	3	4	3	3	4	5	6	9	9	9	6	5	4	8	3	4	5	3.4	24	23
15*	3	2	2	2	1	1	1	2	1	2	1	3	3	5	5	4	5	8	8	5	4	3	3	2	3.2	24	21
16	2	1	1	0	1	1	4	6	6	5	5	4	5	4			13	12	6	6	4	4	5	5	4.4	22	40
17	4	3	3	3	3	4	8	10	7	7	6	6	8	7	7	9	12	9	10	6	7	6	5	4	6.3	24	23
18	4	3	3	3	3	3	9	8	9	8	8	8	8	7	8	9	13	12	15	10	13	8	5	5	7.4	24	33
19	3	2	2	3	2	2	3	6	8	6	5	5	5	5	5	5	6	6	4	3	3	3	3	2	4.0	24	13
20	2	2	2	2	2	3	4	7	6			4	4	5	5	8	7	11	7	5	5	6	5	4	4.7	22	27
21*	4	4	3	2	2	1	3	4	7	6	7	8	7	7	4	6	9	7	6	6	7	6	9	10	5.6	24	23
22*	5	4	2	2	1	1	2	2	2	2	2	3	4	6	5	5	4	3	3	3	2	2	2	2	2.8	24	11
23	2	1	1	1	1	2	3	5	6	4	4	6				11	10	11	7	4	4	3	3	3	4.3	21	24
24	2	2	1	1	1	2	4	5	7	6	6	7	8	6	8	7	6	5	4	4	3	3	3	3	4.4	24	13
25	3	2	1	1	1	1	1	2	2	2	3	3	4	3	3	3	2	4	10	7	4	4	4	4	3.1	24	18
26	2	3	2	2	2	2	3	4	5	4	3	5	5	4	7	13	13	7	7	7	7	4	4	8	5.0	24	35
27	5	4	4	3	2	4	11	12	15			8	16	22	33	21	24	25	16	17	17	10	10	10	13.2	22	47
28*	6	5	4	3	2	2	2	3	6	7	6	6	6	5	4	5	7	5	4	4	3	3	3	4	4.4	24	14
29*	3	3	2	1	1	1	1	2	2	2	4	4	3	4	5	4	6	5	4	5	4	3	4	4	3.2	24	11
30	3	2	1	1	1	2		8	6	4	3	4	4	5	7		14	9	5	4	3	3	2	2	4.2	22	27
31	2	2	2	1	1	2	3	3	4	3	4	4	5	6	5	6	5	4	2	2	1	2	1	0	2.8	24	15
MEAN	3	3	2	2	2	2	4	5	6	5	5	5	6	6	7	8	9	8	7	5	5	4	4	4	4.9		
NO	28	28	28	28	28	28	27	28	28	26	26	29	28	28	26	27	29	29	29	29	29	29	29	29		673	
MAX	7	5	4	4	4	4	11	12	15	8	9	9	16	22	33	21	24	25	16	17	17	10	10	10	13.2		47

* Indicates Saturday or Sunday
Local standard time used

WED., SEP. 10, 1969

Table 3-13

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

NITRIC OXIDE
JAN. 1968

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.08	.09	.08	.08	.14	.10	.09	.08	.06	.04	.05	.03	.03	.03		.06	.09	.08	.10	.10	.11	.10	.12	.12	.081	23	.15
2																											
3	.06		.03	.02	.02	.02					.07	.07	.06	.05		.07	.09	.09			.05	.06	.08	.05	.054	16	.12
4																											
5		.05	.06	.05	.04	.04	.06	.08	.11	.10	.07						.07	.09	.10	.08	.08	.12	.11	.13	.079	18	.14
6*	.12	.09	.07	.04	.05	.07	.08	.10	.13	.16	.16	.15	.11	.10		.07	.09	.09	.08	.07	.07	.06	.07	.08	.091	23	.17
7*	.10	.06	.05	.04	.02	.02	.02	.04	.04	.03	.04	.03	.03	.05			.06	.07	.07	.06	.05	.06	.07	.07	.048	22	.14
8	.06	.07	.07	.09	.10	.11	.19	.29	.31	.19	.15						.08	.11	.12	.05	.05	.04	.04	.03	.112	19	.35
9																											
10		.07	.06	.06	.07	.08	.12	.24	.31	.19	.10	.09	.08	.07			.13	.16	.11	.09	.09	.09	.10	.09	.113	21	.37
11	.05	.02					.06	.13	.13	.11	.09	.07	.06	.06		.10	.17	.17	.13	.10	.10	.10	.04	.05	.090	19	.21
12	.02	.01	.01	.01	.01	.01	.04	.10	.11	.10				.07			.13	.14	.12	.10	.07	.06	.04	.07	.065	19	.16
13*	.09	.08	.06	.04	.02	.02	.04	.07	.11	.12	.11	.10	.13	.13			.19	.19	.11	.08	.07	.06	.07	.10	.090	22	.21
14*	.09	.06	.04	.04	.02	.01	.01	.02	.03	.03	.04	.04	.04	.07			.07	.07	.06	.07	.09	.05	.05	.05	.047	22	.11
15	.05	.02	.01	.01	.01	.03	.07	.10	.11	.12	.11	.12	.12	.15			.17	.15	.11	.10	.13	.16	.14	.16	.096	22	.21
16	.15	.07	.07	.09	.11	.14	.23	.24	.20	.21		.10	.06	.07			.10	.10	.11	.11	.08	.06	.05	.04	.112	21	.30
17	.02	.02	.01	.02	.02	.03	.05	.13	.19	.18	.15	.11	.07	.08			.10	.12	.13	.08	.05	.08	.08	.06	.080	22	.20
18	.04	.03	.02	.02	.02	.03	.06	.11	.13	.13	.07			.08			.13	.12	.08	.08	.07	.08	.07	.06	.070	20	.16
19	.02	.00					.03	.10	.10	.10	.07	.07	.11	.08				.19	.16	.09	.09	.10	.11	.09	.088	17	.21
20*	.06	.04	.04	.03	.03	.07	.10	.12	.12	.13	.12	.13	.10	.10			.07	.10	.07	.06	.07	.06	.08	.10	.082	22	.15
21*	.09	.07	.08	.06	.06	.07	.06	.05	.05	.03	.02	.02	.02	.04			.13	.16	.09	.14	.17	.21	.12	.07	.081	22	.25
22	.04	.04	.04	.04	.03	.01	.04	.10	.16	.10							.11	.19	.12	.11	.09	.08	.06	.06	.079	18	.22
23	.03	.03	.01	.00	.01	.02	.07	.10	.14	.14	.12	.13	.13	.12			.18	.18	.16	.15	.14	.14	.15		.100	21	.22
24																											
25		.06	.05	.07	.03	.02	.07	.13	.15	.13			.06	.07			.12	.15	.12						.087	14	.21
26																											
27*		.20	.14	.10	.08	.08	.10	.15	.16	.26	.30	.22	.19	.23			.13	.10	.10	.11	.08	.08	.08	.07	.141	21	.33
28*	.07	.06	.06	.09	.04	.03	.03	.03	.05	.05	.04	.05	.06	.12			.20	.24	.20	.20	.14	.17	.26	.15	.105	22	.29
29	.11	.05	.03	.01	.00	.00	.07	.13	.15	.20	.16	.13	.09	.16											.091	14	.22
30																											
31																											
MEAN	.07	.06	.05	.04	.04	.04	.07	.11	.13	.12	.10	.09	.08	.09			.12	.13	.11	.10	.09	.09	.09	.08	.087		
NO	20	23	22	22	22	22	23	23	23	23	20	18	19	21		4	22	23	22	21	22	22	22	21		480	
MAX	.15	.20	.14	.10	.14	.14	.23	.29	.31	.26	.30	.22	.19	.23		.10	.20	.24	.20	.20	.17	.21	.26	.16	.141		.37

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-14

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
FEB. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN. MAX
1																											
2																											
3*																											
4*																											
5																											
6																											
7																											
8																											
9		.05	.03	.02	.03	.04	.12	.24	.26	.20	.19	.16	.13	.14			.23	.23	.23	.19	.18	.17	.16	.17	.150	21	.29
10*	.17	.12	.10	.07	.07	.06	.08	.12	.15	.21	.17	.16	.13	.15			.19	.21	.19	.16	.15	.18	.15	.18	.143	22	.25
11*	.20	.13	.10	.06	.05	.04	.04	.05	.04	.04	.04	.05	.05	.04			.09	.09	.08	.05	.05	.08	.08	.09	.069	22	.21
12	.10	.07	.05	.04	.04	.05	.11	.19	.23	.20	.16	.15	.12	.10			.17	.17	.12	.13	.12	.17	.14	.12	.124	22	.27
13	.11	.09	.07	.05	.06	.08	.20	.38	.44	.38	.10						.06	.07	.05	.06	.05	.06	.04	.03	.125	19	.48
14	.05	.04	.03	.03	.04	.04	.08	.16	.17	.19	.16	.11	.09	.06											.090	14	.24
15																											
16		.10	.06	.06	.06	.07	.10	.18	.15	.18	.14	.08	.04	.01		.03	.07	.07	.06	.06	.05	.04	.04	.05	.077	22	.23
17*	.05	.04	.02	.02	.02	.02	.04	.05	.07	.08	.06	.04	.04	.04			.06	.07	.06	.04	.05	.04	.05	.06	.044	22	.09
18*	.06	.04	.02	.02	.02	.03	.04	.05	.05	.04	.03	.03	.02	.03		.05	.07	.10	.09	.08	.06	.06	.08	.09	.049	23	.13
19	.10	.07	.06	.06	.08	.13	.26	.40	.43	.27				.09			.14	.16	.16	.16	.14	.16	.16	.14	.165	19	.52
20	.12	.06	.04	.04	.03	.04	.11	.21	.22	.20	.16	.14	.10	.08			.18	.19	.18	.14	.13	.13	.12	.12	.124	22	.23
21	.11	.08	.05	.05	.06	.06	.12	.16	.15	.12	.10		.05	.06			.12	.15	.12	.11	.11	.11	.09	.10	.099	21	.18
22	.11	.07	.05	.04	.05	.07	.10	.15	.16	.14	.09	.06	.05	.04			.11	.11	.09	.09	.09	.09	.09	.09	.088	22	.18
23	.10	.07	.05	.05	.07	.09	.14	.21	.27	.27	.17			.04			.11	.12	.13	.10	.09	.09	.07	.07	.115	20	.33
24*	.07	.05	.04	.04	.06	.01	.02	.06	.12	.09	.04	.08	.09	.08			.15	.16	.15	.12	.11	.09	.09	.13	.083	22	.19
25*	.13	.11	.07	.04	.02	.02	.03	.03	.03	.03	.04	.04	.02	.02		.08	.13	.15	.18	.18	.09	.07	.07	.07	.072	23	.24
26	.07	.06	.06	.07	.08	.10	.21	.37	.43	.36			.11	.10			.24	.22				.17	.12		.172	16	.46
27			.03	.04			.13	.19	.19	.14			.07	.06			.11	.12	.12	.09	.09	.08	.09	.09	.102	16	.22
28	.06	.04	.03	.02	.02	.04	.09	.17	.20	.18	.14	.16	.16	.13			.16	.20	.19	.14	.14	.12	.11	.13	.118	22	.22
29	.12	.09	.06	.05	.05	.06	.11	.21	.24	.21			.11	.14			.21	.21	.17	.15	.17	.19	.16	.15	.143	20	.25
MEAN	.10	.07	.04	.04	.05	.05	.11	.18	.20	.18	.11		.08	.07			.13	.15	.13	.11	.10	.11	.10	.10	.106		
NO	17	19	20	20	19	19	20	20	20	20	16	13	17	19		3	19	19	18	18	18	19	19	18		410	
MAX	.20	.13	.10	.07	.08	.13	.26	.40	.44	.38	.19	.16	.16	.15		.08	.24	.23	.23	.19	.18	.19	.16	.18	.172		.52

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-15

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CHICAGO, ILL.

NITRIC OXIDE
MARCH 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.09	.08	.08	.08	.07	.07	.09	.16	.17	.13	.08	.05	.05	.06			.08	.11	.11	.13	.11	.17	.19	.15	.104	22	.23
2*	.11	.08	.04	.03	.05	.04	.05	.08	.09	.13	.13	.13	.15	.13			.16	.17	.14	.12	.11	.12	.13	.20	.108	22	.22
3*	.23	.19	.14	.09	.07	.07	.07	.08	.06	.06	.05	.05	.05	.05		.08	.09	.09	.10	.13	.13	.14	.13	.11	.097	23	.24
4	.09	.06	.05	.04	.04	.06	.09	.15	.14			.06	.05	.03			.08	.10	.15	.25	.37	.29	.19	.15	.121	20	.51
5	.14	.11	.11	.10	.10	.12	.15	.20	.23	.16	.10	.05	.04	.03			.12	.20	.17	.11	.10	.12	.11	.07	.119	22	.29
6	.05	.04	.03	.02	.02	.03	.09	.15	.19	.15	.09	.07	.05	.05			.10	.16	.13	.13	.11	.13	.11	.11	.090	22	.23
7	.07	.03	.02	.01	.03	.06	.16	.28	.27	.17				.04			.07	.11	.11	.14	.15	.17	.12	.11	.110	19	.35
8	.09	.07	.05	.05	.09	.05	.11	.17	.15	.15	.11	.13	.10	.08			.23	.32	.24	.25	.29	.21	.30	.31	.159	22	.35
9*	.26	.13	.07	.05	.03	.03	.05	.07	.08	.09	.09	.09	.08	.11			.09	.08	.09	.09	.13	.13	.13	.15	.096	22	.29
10*	.14	.09	.06	.05	.03	.03	.04	.06	.05	.04	.05	.07	.07	.08			.10	.14	.09	.07	.07	.06	.06	.07	.069	22	.17
11	.05	.02	.02	.01	.01	.02	.09	.20	.16	.12	.07	.06	.06	.07			.15	.21	.17	.14	.14	.15	.11	.06	.096	22	.23
12	.05	.03	.01	.01	.01	.01	.06	.11	.11	.14	.12	.11	.11	.11			.13	.14	.12	.09	.10	.09	.10	.10	.083	22	.16
13	.11	.09	.06	.05	.06	.06	.14	.23	.21	.17	.13	.08	.06	.06			.07	.11	.09	.13	.12	.17	.14	.10	.112	22	.25
14	.09	.08	.05	.04	.05	.04	.07	.14	.14	.09	.06						.05	.07	.06	.05	.06	.06	.07	.06	.070	19	.16
15	.06	.04	.04	.05	.04	.06	.11	.13	.12	.11	.10	.08	.07	.07			.10	.10	.10	.08	.07	.10	.09	.11	.082	22	.14
16*	.12	.07	.04	.04	.09	.04	.07	.19	.31	.26	.18	.09	.04	.03		.03	.05	.08	.11	.15	.23	.23	.33	.50	.142	23	.66
17*	.56	.42	.41	.61	.43	.32	.23	.20	.15	.20	.12	.05	.06	.09			.03	.04	.04	.08	.11	.21	.18	.09	.210	22	.66
18	.05	.02	.01	.01	.01	.02	.04	.09	.12	.11	.07	.04	.03	.03			.06	.09	.07	.06	.02	.02	.02	.01	.043	22	.13
19	.01	.02	.01	.01	.00	.02	.05	.12	.13	.13	.07	.07	.04	.03			.11	.12	.10	.09	.08	.06	.08	.06	.063	22	.15
20	.05	.02	.01	.01	.01	.03	.03	.06	.09	.10	.08	.08	.08	.10			.11	.15	.16	.14	.11	.10	.08	.09	.076	22	.19
21	.06	.04	.01	.00	.00	.01	.06	.17	.18	.14	.12						.19	.15	.11	.08	.08	.11	.10	.09	.089	19	.21
22	.06	.03	.02	.01	.01	.02	.07	.15	.18	.16	.14	.12	.14	.15			.14	.13	.13	.10	.09	.09	.10	.12	.097	22	.19
23*	.10	.07	.06	.03	.02	.02	.03	.05	.07	.08	.06	.07	.10	.08			.11	.10	.10	.07	.07	.06	.07	.08	.068	22	.12
24*	.10	.08	.06	.04	.03	.03	.04	.06	.06	.04	.03	.02	.02	.02			.03	.04	.05	.07	.06	.06	.07	.06	.048	22	.10
25	.06	.04	.04	.04	.03	.04	.08	.14	.16	.13	.07	.05	.04	.02		.03	.05	.06	.05	.04	.04	.03	.02	.02	.054	23	.17
26	.02	.01	.02	.00	.01	.01	.04	.07	.08	.09	.08	.04	.01	.00			.02	.05	.07	.17	.32	.34	.34	.06	.084	22	.45
27	.02	.01	.00	.00	.00	.01	.05	.09	.09	.06	.03	.03	.01	.00		.01	.02	.02	.02	.01	.03	.03	.04	.02	.025	23	.10
28	.01	.01	.01	.02	.02	.04	.06	.08	.10	.08			.02	.01			.02	.04	.05	.04	.04	.05	.04	.04	.039	20	.13
29	.05	.02	.01	.02	.03	.03	.09	.13	.16	.10	.06	.05	.05	.06			.11	.13	.10	.09	.09	.08	.06	.18	.077	22	.36
30*	.44	.48	.46	.41	.21	.14	.15	.11	.09	.03	.02	.01	.01	.01			.00	.01	.03	.07	.07	.04	.02	.03	.128	22	.52
31*	.02	.02	.02	.01	.01	.01	.00	.02	.01	.01	.01	.01	.02	.03			.04	.05	.08	.12	.11	.07	.06	.05	.034	22	.15
MEAN	.11	.08	.06	.06	.05	.05	.08	.13	.13	.11	.08	.07	.06	.06			.09	.11	.10	.10	.12	.12	.11	.11	.090		
NO	31	31	31	31	31	31	31	31	31	30	28	27	28	29		4	31	31	31	31	31	31	31	31		673	
MAX	.56	.48	.46	.61	.43	.32	.23	.28	.31	.26	.18	.13	.15	.15		.08	.23	.32	.24	.25	.37	.34	.34	.50	.210		.66

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-16

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM

COLORIMETRIC ANALYSIS

NITRIC OXIDE
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5 MIN. MAX
1	.04		.00	.00	.00	.02	.06	.11	.11	.08		.03	.04	.07			.12	.15	.14	.12	.15	.11	.08	.10	.075	20	.18
2	.10	.08	.07	.04	.03	.06	.10	.09	.09	.08	.06	.08	.13	.12			.16	.19	.15	.15	.13	.07	.03	.02	.094	22	.22
3	.02	.01	.00	.00	.00	.01	.05	.11	.07	.12	.10						.05	.07	.08	.03	.01	.00	.00	.00	.038	19	.15
4	.00	.00	.00	.00	.00	.00	.02	.05	.06	.05	.03	.02	.03	.02		.03	.05	.07	.10	.12	.10	.11	.08	.07	.045	23	.14
5	.05	.01	.02	.00	.01	.01	.07	.13	.12	.08				.03			.09	.07	.08	.05	.02	.02	.01	.04	.046	19	.16
6*	.15	.08	.08	.06	.05	.04	.07	.08	.03	.02	.00	.00	.00	.00		.00	.00	.04	.06	.00	.01	.02	.00	.02	.035	23	.17
7*	.04	.03	.02	.01	.01	.02	.02	.02	.01	.01	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.01	.009	22	.05
8	.02	.02	.01	.01	.01	.01	.04	.05	.03	.03	.00		.00	.00		.01	.02	.03	.03	.03	.02	.03	.03	.02	.021	22	.06
9	.01	.00	.00	.00	.00	.00	.03	.04	.04	.03	.00	.00	.00	.00		.01	.02	.02	.01	.02	.04	.05	.05	.05	.018	23	.07
10	.04	.00	.00	.00	.01	.04	.07	.19	.16	.11	.06	.03	.02	.00			.11	.09	.09	.09	.08	.09	.06	.04	.062	22	.22
11	.02	.06	.03	.06	.05	.04	.08	.13	.13	.06	.05	.04	.03	.01			.03	.03	.03	.04	.03	.02	.01	.00	.043	22	.17
12	.00	.00	.00	.00	.00	.00	.03	.05	.04	.02	.01	.00	.00	.00		.01	.02	.04	.02	.01	.01	.01			.012	21	.06
13*							.03	.03	.02	.02	.02	.02	.09	.11		.03	.01	.01	.03	.01	.01	.00	.00		.024	16	.13
14*																											
15							.02	.07	.08	.05	.04	.03	.01	.02			.07	.05	.04	.06	.05	.06	.07	.05	.048	16	.09
16	.04	.02	.02	.01	.00	.01	.04	.08	.06	.04	.02	.01	.00				.02	.01							.025	15	.08
17																											
18	.01						.02	.07	.09	.07				.07			.15	.13	.08	.11	.10	.11	.09	.07	.083	14	.17
19	.08	.04	.03	.01	.01	.02	.11	.15	.17	.14	.10						.24	.20	.15	.10	.12	.13	.16	.18	.111	19	.28
20*	.18	.10	.03	.01	.01	.00	.01	.04	.06	.05	.02	.01	.01	.02			.01	.02	.06	.02	.03	.04	.02	.02	.034	22	.21
21*	.02	.02	.01	.01	.00	.00	.01	.02	.02	.01	.01	.01	.01	.02			.08	.12	.10	.12	.11	.12	.16	.14	.050	22	.17
22																											
23																											
24																											
25																											
26																											
27*																											
28*																											
29										.05	.03	.04	.03	.07			.05	.04	.03	.06	.10	.08	.08	.08	.055	13	.11
30	.04	.01	.00	.00	.02	.15	.31	.19	.11	.09	.08	.05	.06	.09			.12	.08	.09	.11	.13	.12	.13	.10	.094	22	.35
MEAN	.05	.03	.02	.01	.01	.03	.06	.08	.07	.06	.04	.02	.02	.03			.07	.07	.07	.06	.06	.06	.06	.06	.048		
NO	18	16	17	17	17	17	20	20	20	21	18	16	17	18		6	21	21	20	20	20	20	19	18		417	
MAX	.18	.10	.08	.06	.05	.15	.31	.19	.17	.14	.10	.08	.13	.12		.03	.24	.20	.15	.15	.15	.13	.16	.18	.111		.35

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-17

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
MAY 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.04	.03	.02	.03	.02	.07	.14	.14	.13	.07									.12	.14	.15	.12	.18	.13	.095	16	.19
2	.10	.05	.02	.02	.03	.14	.23	.17	.12	.07	.06	.03	.02	.02	.03				.14	.19	.10	.12	.09		.088	20	.28
3	.04	.04	.03	.01	.01	.06	.14	.18	.16	.12	.09	.10	.08	.08			.13	.17	.19	.20	.18	.12	.16	.12	.108	22	.24
4*	.08	.05	.02	.01	.00	.01	.05	.07	.08	.05	.03	.03	.04	.08			.11	.10	.08	.08	.09	.09	.13	.15	.064	22	.18
5*	.09	.04	.02	.01	.01	.01	.01	.01	.01	.02	.02	.03	.04	.04			.06	.08	.12	.12	.09	.14	.12	.05	.051	22	.16
6	.03	.07	.11	.12	.11	.26	.26	.21	.14	.12	.14	.14		.08			.12	.14	.13	.14	.14	.13	.13	.07	.132	21	.37
7	.03	.02	.00	.00	.00	.02	.05	.07	.07	.04	.03	.03	.03	.04			.04	.02			.00	.01	.01	.02	.026	20	.08
8	.00	.00	.00	.00	.01	.05	.08	.07	.05	.03	.03	.02	.02	.02			.03	.03	.02	.04	.09	.08	.05	.03	.033	22	.11
9	.02	.01	.00	.00	.00	.03	.06	.07	.07	.06			.04	.06			.06	.07	.05	.06	.05	.06	.07	.06	.046	20	.09
10	.04	.03	.02	.03	.05	.08	.14	.12	.06	.04	.04	.04	.05	.07			.08	.08	.08	.11	.09	.09	.15	.15	.073	22	.18
11*	.11	.08	.04	.03	.01	.03	.05	.09	.09	.10	.10	.09	.07	.07			.08	.07	.05	.04	.05	.04	.07	.13	.066	22	.15
12*	.12	.08	.04	.02	.01	.01	.01	.01	.02	.02	.01	.02	.01	.04			.05	.10	.16	.14	.16	.13	.07	.05	.057	22	.23
13	.04	.03	.02	.02	.01	.06	.08	.10	.05								.10	.04	.07	.05	.02	.04	.01	.01	.044	17	.13
14	.01	.00	.00	.01	.01	.02	.05	.12	.10	.09	.06	.05	.04	.05			.03	.02	.03	.06	.06	.05	.06	.07	.044	22	.16
15	.06	.04	.04	.05	.06	.11	.20	.20	.07	.04	.03	.04	.04	.09			.07	.06	.04	.04	.04	.03	.01	.02	.061	22	.26
16	.01	.01	.00	.00	.00	.01	.03	.05	.05	.05				.05			.06	.05	.04	.04	.04	.03	.03	.04	.031	19	.07
17	.01	.00	.00	.00	.01	.08	.12	.14	.08	.05	.05	.08	.08	.10			.05	.05	.03	.05	.10	.11	.12	.15	.066	22	.19
18*	.19	.18	.12	.07	.08	.10	.10	.06	.05	.04	.03	.01	.02	.02			.04	.04	.07	.08	.08	.03	.05	.07	.068	22	.21
19*	.05	.05	.05	.04	.03	.03	.03	.04	.03	.05	.04	.03	.07	.07			.10	.12	.10	.11	.13	.18	.11	.09	.069	22	.22
20	.05	.03	.01	.00	.02	.09	.23	.21	.15	.17	.15	.09	.08	.07			.13	.12	.12	.15	.15	.17	.15	.13	.112	22	.29
21	.10	.06	.05	.05	.06	.18	.26	.15	.07	.06	.07	.10	.06	.09		.10	.09	.07	.05	.11	.09	.15	.19	.25	.106	23	.29
22	.17	.16	.12	.10	.10	.16	.19	.21	.19	.08	.05			.05			.09	.05	.05	.07	.06	.09	.15	.14	.114	20	.30
23	.07	.04	.03	.01	.01	.09	.17	.18	.17	.15	.14	.12	.14	.17			.17	.16	.13	.12	.14	.12	.09	.09	.114	22	.20
24	.04	.02	.00	.00	.00	.05	.13	.16	.12	.09	.09	.08	.07	.10			.25	.17	.16	.18	.23	.24	.19	.14	.114	22	.29
25*	.16	.10	.05	.03	.02	.04	.08	.11	.14	.13	.13	.14	.15	.15			.18	.16	.12	.10	.10	.13	.18	.18	.116	22	.21
26*	.17	.09	.04	.02	.00	.00	.01	.02	.01	.03	.03	.05	.11	.10			.09	.08	.04	.02	.05	.08	.06	.03	.051	22	.20
27	.01	.00	.00	.00	.01	.05	.09	.08	.11	.10	.07	.06	.07	.05			.06	.09	.12	.09	.07	.06	.06	.05	.058	22	.14
28	.04	.03	.02	.01	.01	.06	.12	.14	.12	.09	.07	.09	.09				.12	.14	.13	.12	.07	.10	.08	.06	.080	21	.17
29	.04	.03	.03	.03	.02	.08	.14	.16	.14	.08	.09	.07	.13	.15			.12	.11	.07	.08	.11	.14	.12	.08	.091	22	.18
30	.05	.02	.02	.01	.00	.02	.02	.03	.02	.01	.01	.02	.03	.04			.04	.05	.05	.07	.08	.11	.21	.27	.052	22	.28
31	.19	.11	.09	.06	.05	.09	.21	.15	.03	.00			.02	.03			.06	.02	.00	.00	.05	.13	.09	.05	.070	20	.25
MEAN	.07	.05	.03	.03	.02	.07	.11	.11	.09	.07	.06	.06	.06	.07			.09	.08	.08	.09	.09	.10	.10	.10	.074		
NO	31	31	31	31	31	31	31	31	31	30	26	25	26	28	1	1	29	29	29	30	31	31	31	31		657	
MAX	.19	.18	.12	.12	.11	.26	.26	.21	.19	.17	.15	.14	.15	.17	.03	.10	.25	.17	.19	.20	.23	.24	.21	.27	.132		.37

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-18

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CHICAGO, ILL.

NITRIC OXIDE
JUNE 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5 MIN. MAX
1*	.09	.04	.01	.00	.00	.00	.01	.02	.02	.04	.01	.02	.02	.01							.02	.04	.08	.09	.029	18	.12
2*	.05	.03	.01	.00	.00	.00	.00	.00	.00	.00	.00		.00	.00					.05	.06					.013	15	.07
3																											
4	.06	.03	.01	.03	.02	.05	.09	.06	.04	.02	.02	.03	.02	.03			.09	.05	.08	.05	.05	.03	.05	.09	.045	22	.14
5	.05	.03	.02	.01	.03	.09	.07	.04	.01	.01	.01	.00	.00	.03			.02	.02	.01	.07	.05	.03	.04	.05	.030	22	.11
6	.04	.02	.01	.01	.02	.05	.10	.11	.06	.03	.02	.01					.03	.02	.09	.04	.04	.04	.04	.04	.041	20	.13
7	.02	.02	.01	.02	.03	.05	.09	.09	.04	.02	.01	.02	.00				.01	.01	.02	.05	.05	.03	.03	.04	.031	21	.11
8*	.12	.09	.06	.04	.03	.05	.08	.10	.07	.03	.02	.02	.01	.01			.05	.05	.04	.04	.06	.06	.07	.07	.053	22	.15
9*	.02	.10	.11	.09	.06	.05	.04	.02	.01	.01	.00	.00	.00	.00		.01	.01	.02	.04	.05	.06	.07	.10	.07	.040	23	.12
10	.03	.01	.01	.00	.00	.04	.08	.06	.04	.02	.01	.01	.03	.02			.01	.01	.01	.04	.08	.10	.06	.04	.032	22	.14
11	.01	.01	.01	.01	.00	.01	.08	.10	.05	.03		.01	.01					.01	.01	.01					.024	15	.12
12		.00	.00	.00	.00	.02	.03	.05			.06	.08	.07	.08			.09	.06	.05	.04	.05	.07	.07	.04	.044	19	.12
13	.04	.01	.00	.00	.00	.05	.05	.05	.05	.04	.02	.02				.08	.10	.07	.08	.05	.03	.04	.04	.02	.039	21	.11
14	.00					.02	.05	.08	.05		.01	.00	.00	.02			.03	.06	.07	.08		.08	.08		.042	15	.11
15*	.09		.03	.02	.03	.04	.03	.05	.04	.06	.06	.06	.06	.05		.08	.08	.06	.05	.05	.05	.05	.11	.11	.057	22	.17
16*	.09	.05	.02	.01	.00	.00	.01	.01	.01	.02	.02	.04	.04	.03		.05	.05	.06	.07	.06	.06	.09	.08	.06	.040	23	.11
17	.03	.01		.00	.01	.06	.07	.08	.05	.04	.04	.03	.02	.04			.06	.06	.05	.06	.05	.10	.09	.02	.046	21	.13
18	.02	.01	.01	.01	.02	.05	.06	.10	.12	.12	.11	.07	.04	.03			.04	.08	.08	.10	.08	.09	.07	.09	.062	22	.15
19	.06	.05	.05	.04	.05	.08	.11	.10	.06	.05	.06	.03	.03	.03			.05	.03	.04	.06	.06	.09	.07	.06	.056	22	.13
20	.04	.04	.05	.10	.14	.17	.06	.07	.05	.02	.01	.02	.04	.05			.07	.07	.09	.10	.09	.04	.05	.03	.063	22	.21
21	.01	.01				.05	.07	.09	.07				.00				.03	.02	.02	.05	.06	.06	.08	.07	.045	15	.12
22*	.05	.04	.02	.01	.01	.03	.03	.03	.02	.02	.02	.03	.03	.02			.04	.04	.05	.06	.05	.06	.06	.08	.036	22	.09
23*	.10	.08	.05	.04	.03	.03	.06	.03	.02	.01	.00					.00	.03	.07	.06	.06	.10	.11	.06	.03	.048	20	.13
24	.02	.01	.01	.03	.05	.08	.11	.07	.06				.04	.05			.10	.10	.08	.08	.06	.10	.09	.07	.062	19	.14
25	.04	.02	.01	.01	.02	.05	.12	.19	.19	.15	.11	.10	.09	.11			.10	.09	.07	.07	.06	.09	.07	.07	.083	22	.21
26	.04	.03	.02	.01	.01	.03	.04	.05	.07	.08	.04	.04	.04	.04			.04	.05	.04	.04	.05	.04	.05	.05	.040	22	.10
27	.04	.03	.01	.02	.02	.04	.05	.07	.06	.05	.05	.04	.05	.05			.09	.08	.07	.06	.06	.05	.05	.04	.049	22	.10
28	.03	.02	.07	.02	.02	.05	.07	.07	.05	.03							.05	.03	.03	.04	.05	.03	.04	.04	.039	18	.08
29*	.02	.02	.01	.02	.02	.02	.02	.03	.04	.04	.07	.08	.05	.03			.03	.01	.02	.03	.06	.05	.03	.03	.033	22	.10
30*	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01		.01	.01	.01	.02	.02	.03	.03	.04	.02	.015	23	.05
MEAN	.04	.03	.02	.02	.02	.04	.06	.06	.05	.04	.03	.03	.03	.03			.05	.04	.05	.05	.06	.06	.06	.05	.043		
NO	28	27	26	27	27	29	29	29	28	25	25	24	25	22		6	26	27	28	28	26	27	27	26		592	
MAX	.12	.10	.11	.10	.14	.17	.12	.19	.19	.15	.11	.10	.09	.11		.08	.10	.10	.09	.10	.10	.11	.11	.11	.083		.21

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-19

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM

COLORIMETRIC ANALYSIS

NITRIC OXIDE
JULY 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.01	.01	.01	.01	.02	.05	.06	.07	.06	.04		.04	.04	.03		.02	.02	.01	.02	.02	.03	.03	.03	.04	.030	22	.08
2	.02	.01	.01	.01	.01	.04	.05	.06	.04	.04	.05	.04	.06	.08			.10	.09	.08	.08	.08	.07	.08	.06	.052	22	.12
3	.04	.06	.04	.03	.03	.08	.11	.12	.13	.08	.07	.04	.04	.05											.065	14	.14
4																											
5				.03	.03	.03	.03	.03	.02	.02	.02	.02	.01	.01			.02	.02	.02	.03	.02	.02	.02	.02	.023	19	.04
6*	.02	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.01	.01	.02			.04	.04	.03	.04	.04	.06	.08	.10	.029	22	.12
7*	.12	.08	.05	.03	.02	.02	.02	.03	.02	.01	.01	.01	.01	.01		.01	.02	.02	.02	.01	.03	.04	.03	.04	.027	23	.12
8	.03	.03	.02	.02	.03	.04	.06	.06	.07	.06	.04	.03	.02	.01	.02	.01	.02	.01	.01	.01	.03	.03	.01	.01	.027	24	.08
9	.01	.00	.00	.00	.01	.03	.05	.06	.07	.05	.02	.01	.02	.04		.08	.10	.07	.05	.05	.06	.07	.07	.05	.042	23	.12
10	.03	.01	.01	.01	.02	.05	.08	.11	.08	.06	.07	.07	.07	.06		.06	.06	.06	.05	.06	.08	.07	.08	.06	.055	23	.13
11	.03	.03	.03	.03	.03	.08	.11	.09	.07	.06	.05	.05	.04	.03		.03	.04	.04	.04	.04	.05	.06	.08	.07	.050	23	.12
12	.05	.04	.02	.02	.03	.06	.12	.12	.12	.06	.02	.02	.01	.01		.02	.02	.02	.03	.03	.03	.04	.04	.03	.041	23	.14
13*	.02	.03	.03	.02	.03	.03	.03	.04	.05	.04	.01	.01	.01	.01		.01	.01	.01	.01	.02	.03	.03	.03	.02	.022	23	.06
14*	.02	.01	.01	.01	.01	.01	.01	.01	.02	.01	.01	.01	.00	.00		.01	.01	.01	.01	.02	.02	.02	.02	.02	.012	23	.03
15	.01	.02	.02	.01	.02	.03	.04	.05	.04	.03	.02	.01	.01	.01		.01	.01	.01	.01	.02	.02	.03	.02	.02	.020	23	.06
16	.02	.02	.02	.02	.03	.04	.06	.06	.06	.04	.02		.02	.01		.01	.01	.01	.01	.01	.01	.01	.01	.01	.023	22	.07
17	.01	.01	.00	.01	.01	.02	.03	.02	.02	.01	.00	.00	.00			.01	.01	.01	.01	.01	.01	.02	.02	.01	.010	22	.03
18	.01	.01	.01	.01	.01	.02	.03	.04		.03	.03	.02	.02	.02		.03	.02	.02	.03	.04	.04	.04	.04	.05	.026	22	.06
19	.03	.02	.01	.01	.02	.04	.07	.08		.04	.04	.04	.04	.04		.02	.02	.02	.02	.02	.02	.03	.04	.03	.031	22	.10
20*	.02	.01	.01	.01	.02	.03	.02	.02	.02	.01	.01	.01	.01	.01		.02	.03	.04	.03	.03	.03	.03	.02	.01	.020	23	.04
21*	.04	.04	.05	.05	.03	.02	.02	.01	.01	.01	.01	.01	.01	.01		.00	.01	.01	.01	.01	.02	.02	.02	.02	.019	23	.06
22	.01	.01	.02	.01	.01	.03	.07	.07	.05	.03	.03	.03	.03	.02		.03	.03	.02	.04	.03	.02	.04	.05	.04	.031	23	.08
23	.01	.01	.00	.00	.01	.04	.07	.06	.03		.03	.02	.03	.07		.02	.05	.08	.03	.05	.04	.06	.07	.07	.038	22	.10
24	.03	.04	.04	.01	.03	.11	.14	.15	.11	.06	.07	.03	.04	.03		.05	.04	.05	.05	.04	.06	.07	.06	.05	.058	23	.17
25	.03	.02	.01	.01	.01	.05	.10	.11	.07	.05	.06	.04	.06			.07	.08	.07	.07	.08	.09	.09	.08	.06	.059	22	.14
26	.04	.03	.02	.02	.02	.09	.12	.09	.05	.04	.03	.03	.04	.04		.05	.06	.06	.06	.06	.10	.07	.07	.11	.056	23	.14
27*	.08	.05	.04	.02	.02	.02	.04	.05	.05	.03	.02	.04	.07	.07		.05	.06	.06	.06	.08	.10	.11	.10	.08	.055	23	.14
28*	.06	.06	.04	.03	.02	.01	.02	.02	.03	.03	.03	.03	.05	.05		.05	.05	.07	.07	.08	.11	.13	.13	.11	.054	23	.14
29	.10	.09	.07	.06	.08	.14	.25	.24	.18					.05			.07	.06	.04	.03	.02	.03	.03	.05	.089	18	.27
30	.06	.05	.03	.00	.01	.03	.12	.13	.06	.03	.00	.03	.00	.01		.01	.01	.00	.00	.00	.01	.00	.00	.00	.025	23	.15
31	.00	.00	.00	.00	.00	.01	.03	.06	.05	.04	.04	.02	.03	.03		.07	.04	.05	.04	.05	.06	.09	.12	.10	.040	23	.12
MEAN	.03	.03	.02	.02	.02	.04	.07	.07	.06	.04	.03	.03	.03	.03		.03	.04	.04	.03	.04	.04	.05	.05	.05	.037		
NO	29	29	29	30	30	30	30	30	28	28	28	28	29	28	1	25	29	29	29	29	29	29	29	29		664	
MAX	.12	.09	.07	.06	.08	.14	.25	.24	.18	.08	.07	.07	.07	.08	.02	.08	.10	.09	.08	.08	.11	.13	.13	.11	.089		.27

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-20

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U.S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

NITRIC OXIDE
AUG. 1969

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5 MIN MAX
1	.06	.03	.03	.02	.01	.06	.05	.10	.09	.08			.05	.07		.07	.07	.08	.08	.10	.10	.10	.05	.05	.066	21	.14
2	.10	.15	.18	.10	.10	.12	.12	.14	.10	.09	.03	.02	.02	.01		.02	.02	.02	.03	.04	.07	.05	.04	.06	.071	23	.19
3*	.06	.07	.07	.06	.06	.06	.09	.13	.05	.07	.04	.04	.02	.03		.06	.06	.06	.03	.04	.05	.07	.15	.14	.066	23	.18
4*	.11	.07	.06	.05	.05	.05		.06	.03	.03	.02	.01	.01	.01		.02	.01	.03	.02	.02	.01	.07	.11	.06	.043	22	.13
5	.04	.02	.01	.01	.01	.06	.07	.10	.05								.01	.03	.02	.03	.04	.05	.05	.05	.040	17	.12
6	.05	.06	.06	.05	.05	.06	.10	.11									.00	.00	.00	.01	.04	.02	.03	.09	.047	16	.11
7	.03	.01	.01	.01	.01	.05	.11	.11	.07	.10	.06	.04	.02	.02			.05	.04	.03	.04	.06	.07	.06	.04	.048	22	.22
8	.03	.02	.01	.01	.01	.03	.12	.11	.05	.05	.04	.02	.03	.10			.03	.06	.09	.09	.09	.08	.09	.07	.057	22	.16
9	.06	.04	.04	.03	.04	.11	.17	.10	.07	.03	.05	.02	.01	.01			.01	.01	.01	.01	.02	.03	.03	.03	.045	22	.19
10*	.03	.02	.02	.01	.01	.01	.03	.03	.03	.04	.04	.04	.04	.03			.04	.04	.04	.04	.04	.06	.08	.07	.035	22	.09
11*	.04	.06	.08	.06	.03	.04	.05	.05	.03	.02	.02	.02	.02	.02			.06	.08	.05	.05	.06	.04	.03	.07	.046	22	.09
12	.05	.05	.04	.03	.06	.10	.15	.12	.09								.02	.01	.01	.02	.02	.01	.01	.00	.046	19	.16
13	.01	.01	.01	.01	.02	.02	.03	.04	.02	.01	.00	.00	.01	.03			.01	.01	.01	.03	.03	.07	.07	.05	.022	22	.09
14	.06	.03	.03	.02	.03	.05	.07	.07	.05	.05	.05	.04	.04	.04			.05	.05	.03	.05	.06	.08	.10	.07	.051	22	.12
15	.05	.02	.02	.01	.02	.07	.09	.10	.09	.05	.04	.04	.02	.02			.06	.07	.06	.04	.06	.04	.03	.03	.047	22	.12
16	.03	.02	.02	.02	.03	.05	.07	.07	.07	.06	.08	.02	.01	.01		.01	.01	.03	.06	.05	.04	.04	.06	.05	.038	23	.13
17*	.04	.02	.02	.02	.02	.03	.04	.04	.04	.03	.03	.03	.02	.02		.03	.04	.04	.03	.03	.04	.05	.06	.04	.033	23	.07
18*	.05	.04	.02	.01	.01	.01	.02	.02	.07	.02	.02	.02	.02	.01		.04	.06	.05	.04	.03	.04	.05	.07	.03	.032	23	.09
19	.01	.01	.01	.00	.01	.02	.04	.04	.03	.02	.02	.02	.03	.02		.04	.03	.02	.02	.02	.01	.02	.04	.02	.020	23	.05
20	.01	.01	.02	.04	.01	.03	.07	.06	.04	.02	.01	.00	.00	.01			.01	.01	.00	.01	.02	.05	.06	.04	.023	22	.10
21	.03	.04	.05	.04	.05	.09	.14	.14	.07	.04	.03	.02	.01	.01		.02	.02	.02	.03	.04	.06	.06	.05	.02	.045	23	.16
22	.01	.02	.01	.01	.01	.05	.09	.11	.06	.02	.03	.02	.01	.01		.03	.04	.02	.05	.03	.02	.03	.04	.04	.033	23	.13
23	.04	.04	.05	.07	.07	.09	.16	.13	.08	.10	.07	.04	.02	.02		.03	.03	.02	.02	.04	.06	.05	.06	.04	.047	23	.19
24*	.02	.01	.01	.01	.02	.03	.03	.03	.03	.02	.02	.02	.01	.01		.01	.01	.02	.02	.03	.03	.04	.04	.04	.021	23	.06
25*	.03	.02	.01	.01	.01	.02	.03	.02	.02	.03	.04	.04	.05	.05		.12	.11	.12	.12	.13	.13	.12	.11	.08	.061	23	.16
26	.04	.04	.02	.02	.04	.14	.14	.14	.12	.08	.09	.08	.08	.06		.07	.08	.09	.07	.07	.08	.07	.07	.06	.075	23	.20
27	.04	.03	.07	.08	.03	.10	.19	.17	.12	.06	.07	.05	.04	.12		.08	.09	.08	.07	.08	.10	.12	.11	.08	.097	23	.21
28	.05	.07	.14	.21	.25	.35	.50	.22	.09	.06	.05	.05	.03	.04		.09	.08	.09	.08	.09	.08	.11	.15	.18	.132	23	.56
29	.20	.09	.06	.04	.05	.20	.25	.18	.14	.09	.08	.07	.03	.04		.09	.06	.07	.09	.07	.08	.08	.12	.15	.099	23	.39
30	.14	.05	.02	.05	.05	.07	.09	.14	.12	.07	.04	.02	.03	.04			.10	.09	.09	.07	.13	.14	.13	.07	.078	22	.21
31*	.04	.04	.03	.04	.03	.08	.09	.08	.07	.05	.06	.04	.04	.06		.04	.05	.06	.05	.07	.04	.04	.04	.04	.051	23	.12
MEAN	.05	.04	.04	.04	.04	.07	.11	.10	.07	.05	.04	.03	.03	.03		.05	.04	.04	.04	.05	.05	.06	.07	.06	.052	681	
NO. OF HRS.	31	31	31	31	31	31	30	31	30	28	27	27	28	28		18	31	31	31	31	31	31	31	31			
MAX	.20	.15	.18	.21	.25	.35	.50	.22	.14	.10	.07	.08	.06	.12		.12	.11	.12	.12	.13	.13	.14	.15	.18	.132		.56

* Indicates Saturday or Sunday
Local standard time used.

REV., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-21

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CHICAGO, ILL.
NITRIC OXIDE
SEPT. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1*	.03	.03	.02	.01	.01	.02	.03	.03	.03	.03	.06	.05	.05	.02			.04	.05	.06	.07	.06	.06	.07	.07	.038	23	.09
2	.04	.03	.02	.02	.02	.03	.05	.05	.04	.02	.02	.02	.01	.01		.02	.02	.07	.07	.06	.06	.09	.08	.06	.039	23	.12
3	.03	.02	.05	.03	.05	.09	.14	.14	.10	.11	.10	.07	.01	.01		.01	.01	.01	.01	.03	.03	.03	.03	.02	.048	23	.18
4	.02	.01	.01	.01	.02	.06	.08	.11	.06	.03	.01	.01	.02	.02			.04	.03	.03	.03	.05	.04	.04	.03	.034	22	.12
5	.01	.01	.01	.01	.02	.06	.12	.16	.16	.14	.10	.08	.07	.07			.10	.08	.05	.06	.07	.09	.09	.08	.075	22	.24
6	.04	.02	.01	.02	.03	.08	.13	.13	.11	.10	.03	.02	.02	.02			.06	.05	.08	.12	.15	.16	.20	.18	.079	22	.24
7*	.15	.11	.08	.10	.16	.21	.30	.12	.08	.05	.04	.03	.02	.02		.04	.05	.05	.04	.05	.06	.07	.06	.06	.084	23	.37
8*	.04	.03	.02	.01	.01	.03	.03	.02	.02	.01	.01	.01	.01	.01		.01	.02	.02	.04	.04	.04	.03	.03	.01	.021	23	.05
9	.01	.00	.01	.01	.02	.04	.08	.10	.12	.08	.06	.06	.05	.05		.07	.06	.06	.06	.06	.06	.06	.05	.04	.052	23	.16
10	.03	.03	.03	.03	.09	.09	.17	.24	.19	.16	.14	.07	.07	.12			.14	.12	.11	.11	.09	.10	.10	.07	.101	22	.28
11	.02	.01	.01	.01	.02	.10	.20	.24	.17	.13	.11	.08	.07	.09			.08	.12	.09	.10	.08	.11	.18	.21	.101	22	.25
12	.14	.09	.07	.07	.07	.10	.29	.34	.16	.09	.07	.07	.07	.08			.06	.07	.06	.14	.20	.18	.25	.21	.131	22	.42
13	.19	.21	.24	.22	.18	.22	.24	.18	.17	.08	.03	.02	.01	.02		.03	.05	.09	.16	.25	.20	.14	.10	.06	.134	23	.35
14*	.04	.03	.02	.02	.04	.07	.10	.11	.10	.07	.04	.02	.02	.01			.02	.02	.06	.18	.10	.07	.09	.14	.061	22	.21
15*	.06	.07	.05	.03	.03	.03	.04	.06	.04	.05	.02	.03	.04	.06		.11	.08	.06	.03	.02	.02	.03	.04	.04	.045	23	.14
16	.01	.01	.01	.01	.01	.05	.08	.08	.07	.06	.04	.05	.02	.03			.02	.02	.01	.01	.01	.01	.01	.01	.029	22	.11
17	.00	.01	.01	.01	.01	.02	.04	.05	.04	.04	.04	.04	.03	.03			.06	.06	.04	.04	.03	.04	.04	.03	.032	22	.08
18	.03	.01	.02	.01	.01	.03	.08	.12	.13	.07	.10	.06	.08	.12			.08	.06	.04	.04	.04	.05	.05	.04	.058	22	.19
19	.03	.01	.01	.01	.02	.04	.10	.11	.08	.06	.05	.05	.05	.05			.08	.10	.08	.10	.07	.06	.09	.10	.061	22	.15
20	.05	.04	.03	.05	.10	.19	.27	.30	.24	.16	.12	.07	.04	.06			.05	.05	.05	.07	.09	.07	.09	.07	.102	22	.34
21*	.08	.06	.05	.04	.06	.11	.17	.16	.15	.14	.14	.11	.06	.01			.02	.05	.10	.08	.12	.11	.08	.09	.090	22	.19
22*	.07	.04	.03	.02	.03	.02	.03	.04	.05	.09	.09	.09	.07	.08		.11	.13	.09	.11	.10	.09	.06	.10	.15	.073	23	.17
23	.09	.05	.04	.04	.09	.18	.22	.22	.20				.05	.04			.07	.08	.09	.06	.06	.06	.05	.03	.089	19	.28
24	.03	.02	.02	.02	.02	.03	.08	.13	.18	.08	.08	.12	.09	.06			.05	.05	.07	.08	.09	.08	.06	.06	.068	22	.20
25	.05	.03	.03	.02	.02	.05	.16	.20	.11	.06	.05	.05	.04	.04			.06	.05	.07	.06	.10	.12	.10	.19	.074	22	.26
26	.17	.13	.08	.05	.06	.13	.32	.40	.27	.11	.09	.07	.06	.06			.10	.11	.06	.04	.06	.14	.19	.19	.131	22	.44
27	.16	.13	.08	.06	.08	.13	.19	.19	.15	.10	.06	.06	.06	.10			.15	.12	.10	.08	.10	.10	.11	.11	.109	22	.22
28*	.09	.07	.05	.04	.02	.05	.22	.22	.10	.07	.06	.06	.05	.06			.07	.09	.07	.06	.09	.10	.26	.27	.098	22	.33
29*	.33	.25	.14	.23	.20	.13	.11	.11	.10	.05	.05	.03	.02	.02			.06	.07	.09	.09	.09	.11	.10	.11	.113	22	.35
30	.07	.06	.05	.05	.07	.11	.22	.25	.16	.10		.06	.05	.04			.04	.04	.07	.07	.08	.07	.06	.06	.083	21	.27
MEAN	.07	.05	.04	.04	.05	.08	.14	.15	.12	.08	.06	.05	.04	.05			.06	.06	.07	.08	.08	.08	.09	.09	.075		
NO	30	30	30	30	30	30	30	30	30	29	28	29	30	30		8	30	30	30	30	30	30	30	30		664	
MAX	.33	.25	.24	.23	.20	.22	.32	.40	.27	.16	.14	.12	.09	.12		.11	.15	.12	.16	.25	.20	.18	.26	.27	.134		.44

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-22

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CHICAGO, ILL.

NITRIC OXIDE
OCT. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1	.05	.03	.02	.02	.03	.06	.10	.10	.08	.07	.06	.03	.01	.02			.03	.03	.03	.03	.03	.04	.02	.02	.041	22	.11
2	.01	.01	.03	.01	.01	.03	.06	.08	.08	.09	.04	.05	.05	.04			.04	.03	.08	.06	.09	.09	.06	.04	.048	22	.12
3	.02	.01	.01	.01	.01	.03	.08	.10	.08	.06	.05	.05	.04	.05			.08	.07	.07	.06	.08	.06	.05	.04	.050	22	.11
4	.03	.02	.01	.02	.02	.08	.16	.19	.16	.10	.09	.10	.11	.11			.10	.10	.11	.11	.11	.10	.18	.38	.109	22	.41
5*	.39	.32	.19	.13	.13	.16	.28	.25	.24	.13	.05	.05	.05	.06			.06	.05	.07	.08	.04	.05	.07	.07	.131	22	.43
6*	.07	.03	.02	.01	.01	.02	.03	.05	.06	.06	.05	.05	.04	.05			.07	.07	.06	.06	.06	.08	.08	.06	.048	22	.10
7	.02	.01	.01	.01	.02	.07	.15	.15	.11	.09	.05	.06	.07	.10		.11	.11	.08	.06	.05	.06	.05	.03	.05	.065	23	.18
8	.04	.03	.03	.01	.03	.10	.15	.15	.15	.11	.07	.05	.05	.08		.10	.13	.12	.07	.06	.06	.06	.06	.03	.076	23	.20
9	.02	.02	.02	.03	.03	.05	.09	.11	.11	.08		.05	.06	.07		.09	.11	.09	.04	.04	.04	.04	.03	.03	.056	22	.14
10	.02	.02	.01	.01	.02	.07	.19	.24	.14	.08	.07	.05	.05	.06		.09	.16	.17	.16	.25	.20	.26	.23	.22	.120	23	.28
11	.20	.10	.07	.11	.15	.19	.40	.45	.28	.12	.06	.04	.04	.09			.05	.02	.02	.08	.12	.14	.14	.15	.136	22	.56
12*	.10	.08	.05	.05	.05	.10	.14	.17	.19	.13	.07	.10	.09	.08			.17	.23	.18	.08	.13	.14	.11	.09	.115	22	.29
13*	.06	.09	.10	.05	.03	.02	.06	.07	.05	.03	.03	.01	.01	.02		.02	.03	.04	.07	.07	.09	.09	.08	.06	.050	23	.12
14	.04	.02	.01	.02	.01	.04	.11	.12	.10			.03	.02	.02		.03	.06	.08	.08	.06	.07	.08	.06	.05	.051	21	.13
15	.01	.00									.02	.02	.01	.02		.03	.05	.05	.05	.04	.04	.04	.03	.02	.029	15	.07
16	.01	.01	.00	.00	.01	.06	.10	.15	.10	.05	.04	.02	.02	.01			.03	.03	.03	.03	.02	.02	.02	.01	.034	22	.16
17	.00	.00	.00	.00	.00	.02	.05	.06	.03	.03	.03	.02	.03	.03			.06	.05	.03	.03	.03	.03	.02	.02	.026	22	.07
18	.01	.00	.00	.01	.02	.05	.10	.14	.10	.07	.04	.06	.05	.04			.06	.05	.07	.07	.10	.11	.06	.05	.057	22	.15
19*	.04	.03	.01	.01	.01	.03	.06	.09	.07	.04	.04	.03	.04	.03			.05	.06	.07	.07	.07	.08	.07	.07	.049	22	.10
20*	.06	.04	.02	.01	.01	.02	.04	.05	.04	.03	.03	.03	.03	.03			.07	.07	.09	.11	.10	.11	.16	.15	.068	22	.18
21	.16	.13	.09	.09	.11	.15	.34	.41	.30	.19	.13	.06	.04	.05		.08	.07	.06	.04	.04	.06	.05	.04	.02	.118	23	.45
22	.00	.00	.01	.02	.02	.04	.07	.08	.07	.05	.05	.05	.04	.04		.06	.07	.06	.04	.05	.08	.08	.06	.06	.047	23	.10
23	.03	.02	.01	.01	.03	.08	.16	.22	.21	.14	.11	.06	.05	.07			.08	.06	.06	.08	.08	.08	.07	.05	.078	22	.26
24	.04	.04	.02	.02	.03	.10	.19	.18	.18	.12	.11	.13	.11	.12			.13	.11	.11	.11	.14	.12	.10	.09	.104	22	.22
25	.05	.03	.01	.01	.03	.10	.20	.26	.23	.17	.15	.17	.12	.10		.10	.10	.08	.08	.09	.07	.07	.06	.08	.102	23	.28
26*	.06	.05	.04	.03	.03	.04	.07	.10	.08	.07	.06	.04	.04	.04			.04	.04	.05	.06	.07	.06	.06	.05	.053	22	.11
27*	.04	.03	.02	.02	.01	.01	.00	.00	.01	.01	.01	.01	.01	.02		.02	.02	.02	.03	.03	.02	.03	.02	.02	.016	23	.04
28	.02	.01	.01	.00	.00	.00	.03	.08	.11	.10	.10			.10		.14	.13	.14	.12	.09	.08	.06	.06	.05	.066	21	.15
29	.05	.03	.02	.01	.02	.02	.06	.11	.13	.12	.09	.06	.06	.05			.08	.08	.08	.07	.10	.10	.09	.08	.069	22	.14
30	.07	.03	.08	.23	.20	.16	.19	.16	.14	.09	.08	.06	.06	.06			.17	.11	.07	.06	.04	.06	.10	.09	.104	22	.24
31	.08	.06	.05	.04	.03	.01	.06	.08	.13	.13	.07	.06	.04	.03			.08	.14	.16	.11	.08	.07	.05	.03	.071	22	.18
MEAN	.06	.04	.03	.03	.04	.06	.12	.14	.12	.09	.06	.05	.05	.05			.08	.08	.07	.07	.08	.08	.07	.07	.071		
NO	31	31	30	30	30	30	30	30	30	29	29	30	30	31		12	31	31	31	31	31	31	31	31		681	
MAX	.39	.32	.19	.23	.20	.19	.40	.45	.30	.19	.15	.17	.12	.12		.14	.17	.23	.18	.25	.20	.26	.23	.38	.136		.56

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-23

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CHICAGO, ILL.

NITRIC OXIDE
NOV. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1	.02	.01	.01	.01	.01	.01	.03	.05	.05	.04	.02	.02	.01	.01		.05	.06	.06	.07	.07	.07	.08	.07	.08	.038	23	.09
2*	.08	.05	.04	.02	.02	.02	.04	.06	.10	.11	.09	.05	.06	.06			.13	.16	.11	.09	.08	.09	.11	.11	.076	22	.18
3*	.12	.09	.05	.04	.02	.01	.01	.01	.02	.02	.03	.03	.04	.05			.10	.11	.08	.08	.08	.09	.07	.07	.055	22	.14
4																											
5																											
6																											
7																											
8																											
9*		.10	.06	.04	.04	.04	.08	.12	.15	.13	.11	.10	.10	.06			.10	.09	.08	.06	.09	.07	.10	.12	.087	21	.16
10*	.12	.10	.06	.05	.03	.04	.05	.07	.07	.07	.06	.07	.07	.07			.10	.12	.12	.11	.10	.10	.11	.10	.080	22	.14
11	.09	.08	.06	.05	.04	.05	.05	.10	.13	.15	.15	.13	.13	.12			.18	.18	.16	.14	.15	.14	.12	.10	.114	22	.20
12	.08	.04	.03	.02	.02	.03	.11	.18	.22	.20	.15			.11			.13	.15	.12	.11	.15	.15	.13	.11	.111	20	.23
13	.10	.06	.04	.03	.03	.02	.08	.11	.16	.20	.14	.10	.10	.06			.09	.13	.12	.13	.11	.11	.10	.08	.095	22	.22
14	.07	.04	.04	.03	.03	.04	.09	.12	.14	.18	.14	.17	.11	.07			.14	.12	.10	.09	.10	.12	.12	.14	.099	22	.23
15	.14	.07	.04	.02	.03	.07	.11	.14	.14	.16	.14	.13	.12	.12			.16	.11	.09	.10	.09	.10	.11	.13	.104	22	.18
16*	.10	.05	.03	.02	.01	.01	.03	.07	.10	.11	.11	.13	.18	.23			.20	.17	.15	.12	.11	.10	.11	.11	.102	22	.25
17*	.07	.05	.04	.03	.02	.02	.02	.03	.03	.04	.03	.04	.04	.06			.10	.10	.10	.10	.10	.09	.08	.06	.057	22	.12
18	.05	.04	.03	.02	.02	.03	.05	.09	.11	.12	.09	.10	.10	.08			.11	.13	.13	.10	.10	.13	.11	.07	.081	22	.15
19	.05	.04	.02	.02	.01	.01	.04	.09	.12	.13	.10	.07	.07	.08			.09	.09	.07	.07	.07	.10	.08	.07	.068	22	.14
20	.04	.02	.02	.01	.01	.01	.05	.10	.11	.08	.06	.07	.05	.05			.10	.11	.11	.11	.10	.09	.09	.10	.066	22	.12
21	.08	.07	.05	.04	.03	.04	.06	.10	.10	.08	.07	.08	.05	.06			.11	.13		.08	.06	.05	.06	.06	.068	21	.13
22	.06	.04	.03	.02	.02	.03	.06	.15	.19	.18	.12	.22	.15	.07				.17	.16	.12	.08	.05	.05	.06	.097	21	.28
23*	.06	.03	.03	.02	.02	.03	.04	.06	.08	.06	.05	.04	.04	.06			.06	.07	.05	.06	.07	.07	.04	.05	.048	22	.09
24*	.06	.05	.03	.03	.02	.02	.03	.05	.04	.03	.04	.04	.05	.04			.06	.12	.11	.10	.09	.07	.08	.07	.057	22	.15
25	.07	.05	.04	.02	.03	.05	.12	.22	.24	.20	.14	.11	.06	.08			.16	.17	.12	.10	.13	.13	.14	.10	.113	22	.29
26	.05	.03	.01	.01	.01	.03	.06	.12	.19	.16	.08	.05	.05	.04			.13	.17	.15	.11	.11	.12	.12	.13	.087	22	.23
27	.07	.06	.04	.03	.02	.02	.09	.23	.20	.13	.08	.08	.08	.09			.19	.23	.23	.16	.11	.16	.15	.15	.118	22	.27
28	.16	.10	.08	.04	.03	.02	.02	.03	.04	.04	.06	.07	.04	.06			.08	.08	.06	.06	.07	.07	.09	.10	.063	22	.21
29	.09	.06	.04	.03	.02	.03	.07	.15	.18	.18	.14	.10	.11	.10			.13	.13	.10	.09	.08	.08	.08	.07	.093	22	.20
30*	.10	.08	.07	.05	.04	.03	.04	.07	.09	.10	.12	.11	.09	.10			.12	.13	.15	.16	.16	.15	.11	.10	.098	22	.19
MEAN	.08	.06	.04	.03	.02	.03	.06	.10	.12	.12	.09	.09	.08	.08			.12	.13	.11	.10	.10	.10	.10	.09	.083		
NO	24	25	25	25	25	25	25	25	25	25	25	24	24	25		1	24	25	24	25	25	25	25	25		546	
MAX	.16	.10	.08	.05	.04	.07	.12	.23	.24	.20	.15	.22	.18	.23		.05	.20	.23	.23	.16	.16	.16	.15	.15	.118		.29

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-24

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITRIC OXIDE
DEC. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1*	.07	.07	.05	.05	.04	.05	.04	.04	.04	.03	.04	.06	.10	.12			.15	.17	.16	.12	.08	.07	.09	.10	.078	22	.19
2	.08	.09	.09	.06	.04	.04	.05	.09	.16	.17	.16	.14	.14	.15			.15	.15	.18	.14	.13	.11	.11	.13	.115	22	.20
3	.14	.10	.09	.07	.07	.07	.15	.19	.22	.18	.11	.12	.10	.09			.11	.12	.09	.09	.08	.08	.08	.08	.108	22	.24
4																											
5																											
6																											
7*																											
8*																											
9																											
10																											
11		.06	.04	.03	.03	.05	.10	.19	.18	.16	.14	.13	.09	.07							.06	.05	.04	.04	.084	17	.24
12	.03	.02	.01	.01	.01	.01	.04	.07	.08	.09		.05	.06	.06			.07	.07	.08	.06	.04	.03	.03	.02	.044	22	.10
13	.03	.02	.02	.02	.01	.02	.05	.07	.08	.08	.07	.06	.07	.05			.08	.08	.07	.07	.06	.06	.06	.05	.053	23	.09
14*	.05	.04	.03	.03	.03	.03	.06	.09	.14	.17	.15	.16	.17	.19			.22	.23	.22	.18	.17	.16	.14	.13	.127	23	.27
15*	.18	.13	.10	.07	.06	.06	.08	.08	.05	.05	.05	.07	.12	.16			.19	.20	.22	.24	.21	.18	.16	.18	.128	23	.26
16	.08	.06	.06	.04	.03	.05	.10	.18	.22	.19	.18	.14	.12	.10			.15	.16	.19	.18	.16	.17	.15	.16	.132	23	.24
17	.19	.14	.12	.16	.17	.19	.27	.36	.26	.17	.17	.11	.18	.13			.16	.19	.18	.18	.12	.13	.12	.14	.170	23	.45
18	.07	.07	.05	.04	.04	.05	.12	.18	.18	.18	.19	.18	.18	.15				.24	.27	.25	.19	.20	.19	.13	.147	22	.31
19	.08	.04	.02	.03	.02	.02	.04	.10	.17	.12	.09	.11	.13	.09			.10	.08	.08	.09	.06	.04	.05	.04	.071	23	.19
20	.04	.03	.02	.02	.03	.03	.05	.12	.16	.14	.13	.13	.11	.10			.15	.15	.16	.16	.13	.09	.10	.09	.099	23	.19
21*	.11	.13	.14	.08	.05	.05	.07	.13	.14	.17	.19	.19	.16	.15			.13	.16	.14	.14	.10	.12	.11	.14	.130	23	.22
22*	.13	.08	.07	.04	.02	.02	.02	.03	.03	.03	.04	.07	.08	.13			.12	.11	.06	.06	.05	.05	.05	.04	.059	23	.20
23	.04	.03	.03	.01	.02	.02	.04	.08	.11	.12	.08	.08	.08	.09			.09	.10	.10	.10	.08	.07	.07	.06	.068	23	.14
24	.06	.04	.03	.02	.02	.03	.05	.09	.14	.14	.10	.12	.13	.12			.12	.12	.12	.10	.11	.09	.09	.08	.087	23	.17
25	.09	.08	.06	.04	.03	.04	.05	.07	.09	.09	.08	.09	.09	.07			.05	.05	.07	.19	.20	.12	.09	.10	.082	23	.22
26	.05	.05	.06	.03	.03	.03	.06	.08	.10	.09	.09	.08	.09	.09			.15	.15	.15	.12	.11	.12	.10	.09	.089	23	.18
27	.13	.10	.10	.08	.08	.08	.17	.24	.28	.29	.26	.18	.23	.32			.36	.35	.39	.35	.35	.29	.25	.19	.229	23	.44
28*	.19	.12	.08	.06	.04	.04	.04	.06	.08	.10	.10	.11	.12	.12			.07	.08	.09	.09	.08	.09	.08	.08	.086	23	.22
29*	.09	.09	.08	.05	.04	.03	.03	.04	.05	.05	.04	.04	.05	.05			.08	.11	.14	.13	.15	.14	.12	.12	.079	23	.16
30	.10	.07	.06	.04	.03	.03	.05	.14	.11	.11	.10			.07			.08	.12	.16	.13	.09	.08	.07	.05	.081	21	.17
31	.03	.03	.03	.03	.03	.02	.04	.07	.09	.08	.08	.07	.07	.07			.06	.07	.08	.06	.04	.04	.04	.04	.052	23	.09
MEAN	.09	.07	.06	.05	.04	.04	.07	.11	.13	.12	.11	.11	.11	.11			.13	.14	.15	.14	.12	.11	.10	.09	.10	.100		
NO	23	24	24	24	24	24	24	24	24	24	23	23	23	24			19	23	23	23	23	24	24	24	24		539	
MAX	.19	.14	.14	.16	.17	.19	.27	.36	.28	.29	.26	.19	.23	.32			.36	.35	.39	.35	.35	.29	.25	.19	.24	.229		.45

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-25

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CHICAGO, ILL.

NITROGEN DIOXIDE
JAN. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1		.02	.03	.02	.03	.03	.03	.03	.02	.03	.03	.03	.03	.03							.02	.02	.02	.01	.025	17	.04
2																											
3		.03	.02	.02	.02	.02	.02	.03	.02	.03	.03	.03	.03	.03			.04	.04	.04	.04	.03	.03	.03	.03	.028	21	.04
4	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03			.03	.03	.03	.03	.03	.03	.03	.03	.030	22	.04
5	.03	.03	.03	.02	.03	.02	.02	.02	.02	.02	.02			.02			.03	.03	.04	.03	.03	.03	.03	.03	.026	20	.04
6*	.02	.02	.02	.02	.02	.02	.03	.02	.03	.03	.03	.03	.03	.03			.03	.03	.03	.03	.03	.03	.03	.03	.027	22	.04
7*	.03	.03	.03	.02	.02	.02	.02	.03	.03	.02	.02	.02	.02	.02			.03	.03	.03	.03	.03	.03	.04	.04	.026	22	.04
8	.03	.04	.04	.04	.04	.04	.05	.05	.06	.05	.05	.05	.05	.05			.04	.04	.05	.04	.04	.04	.04	.04	.044	22	.06
9	.03	.04	.04	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03			.04	.04	.04	.04	.03	.03	.03	.03	.033	22	.04
10	.03	.03	.03	.02	.03	.02	.03	.03	.04	.03	.02	.02	.02	.02			.03	.04	.04	.04	.04	.04	.04	.03	.030	22	.04
11	.03	.03	.02	.03	.02	.02	.03	.04	.04	.04	.03	.03	.03	.03			.04	.05	.04	.04	.04	.04	.04	.03	.033	22	.05
12	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04				.04			.05	.05	.05	.05	.05	.04	.04	.04	.037	19	.05
13*	.04	.04	.04	.04	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04			.05	.05	.04	.04	.04	.04	.04	.04	.039	22	.05
14*	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04			.04	.04	.04	.04	.04	.04	.04	.04	.039	22	.04
15	.04	.04	.03	.03	.03	.03	.03	.03	.03	.04	.03	.03	.03	.03			.04	.04	.04	.03	.03	.04	.04	.04	.033	22	.04
16	.04	.04	.04	.04	.04	.04	.05	.05	.04	.05	.04	.04	.04	.04			.05	.06	.06	.05	.06	.06	.05	.05	.047	22	.06
17	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.06			.07	.07	.07	.07	.07	.07	.06	.06	.056	22	.07
18	.06	.06	.05	.05	.05	.05	.05	.05	.04	.04	.04			.05								.03	.03	.03	.044	15	.06
19	.03	.03	.03							.03	.03	.04	.04	.05			.05	.05	.05	.04	.04	.04	.04	.03	.039	16	.06
20*	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04			.04	.04	.04	.04	.04	.03	.03	.03	.033	22	.04
21*	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03								.04	.04	.04	.05	.05	.04	.034	17	.05
22																											
23	.04					.03	.03	.04	.04	.04	.03	.03	.04	.04			.04	.04	.04	.04	.04	.04	.04	.04	.038	18	.04
24	.04	.04	.04	.04	.04	.03	.04	.04	.05	.05	.05	.04	.04	.04			.04	.04	.04	.04	.04	.04	.04	.04	.041	22	.05
25	.04	.04	.04	.04	.04	.03	.03	.04	.04	.04			.03	.05			.06	.06	.05	.05	.05	.05	.05	.04	.043	20	.07
26	.04	.04	.04	.04	.04	.03	.04	.04	.04	.05	.05	.05	.05	.05			.05	.04	.05	.05	.05	.05	.05	.04	.044	22	.06
27*	.04	.04	.04	.04	.04	.03	.03	.04	.04	.04	.05	.06	.05	.06			.05	.05	.05	.05	.05	.05	.04	.04	.044	22	.06
28*	.04	.04	.04	.04	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04			.04	.04	.04	.03	.03	.04	.04	.03	.035	22	.04
29	.04	.03	.03	.03	.03	.03	.03	.04	.04	.05	.05	.04	.04	.04											.037	14	.05
30																											
31																											
MEAN	.04	.03	.03	.03	.03	.03	.03	.04	.04	.04	.03	.04	.04	.04			.04	.04	.04	.04	.04	.04	.04	.04	.036		
NO	25	26	26	25	25	26	26	26	26	27	25	22	23	26			23	23	24	24	25	26	26	26		551	
MAX	.06	.06	.05	.05	.05	.05	.05	.05	.06	.05	.05	.06	.05	.06			.07	.07	.07	.07	.07	.07	.06	.06	.056		.07

* Indicates Saturday or Sunday
Local standard time used

TABULATED: WED., SEP. 10, 1969

Table 3-26

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

NITROGEN DIOXIDE
FEB. 1968

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1																											
2																											
3*																											
4*																											
5																											
6																											
7																											
8																											
9	.04	.04	.04	.04	.04	.04	.04	.05	.04	.04	.04	.04	.04	.04			.04	.04	.04	.04	.04	.04	.04	.04	.040	22	.05
10*																											
11*		.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04			.05	.04	.04	.04	.04	.04	.04	.04	.040	21	.05
12	.05	.05	.04	.04	.04	.04	.05	.05	.05	.05	.05	.04	.05	.05			.05	.05	.04	.04	.04	.05	.04	.04	.044	22	.05
13	.04	.04	.04	.04	.04	.04	.04	.04	.05	.07	.04						.08	.06	.06	.06	.05	.06	.06	.05	.048	19	.07
14	.06		.04	.04	.04	.04	.04	.04	.05	.05	.05	.05	.05	.05			.05	.06	.05	.05	.05	.05	.04	.04	.047	21	.06
15	.04	.04	.04	.04	.04	.04	.04	.04	.04	.05							.05	.06	.05						.044	13	.06
16	.05	.05	.04	.04	.04	.04	.04	.04	.04			.04	.05	.05			.05	.06	.05	.04	.04	.05	.05	.05	.046	20	.06
17*	.05	.05	.04	.04	.04	.04	.05	.05	.05	.05	.04	.04	.05	.05			.05	.05	.05	.04	.05	.04	.05	.04	.046	22	.05
18*	.05	.04	.04	.04	.04	.04	.04	.05	.04	.04	.04	.03	.04	.04			.05	.05	.05	.05	.05	.05	.05	.05	.044	22	.05
19	.05	.05	.05	.05	.05	.05	.06	.07	.08	.08				.06			.07	.06	.05	.05	.05	.05			.057	17	.08
20						.04	.04	.04	.05	.05	.05	.05	.05	.05			.05	.05	.05	.05	.05	.05	.05	.05	.047	17	.06
21	.05	.04	.05	.04	.04	.04	.05	.05	.05	.04	.04	.04	.05	.05			.07	.06	.05	.05	.05	.05	.05	.05	.048	22	.09
22	.05	.05	.05	.04	.04	.04	.05	.05	.05	.05	.05	.04	.05	.05			.06	.06	.06	.05	.05	.05	.05	.05	.050	22	.06
23	.05	.05	.05	.04	.05	.05	.05	.05	.06	.10	.08			.04			.06	.06	.06	.06	.06	.06	.06	.05	.056	20	.13
24*	.05	.05	.05	.05	.06	.05	.05	.05	.05	.05	.04	.05	.05	.06			.07	.07	.06	.06	.06	.06	.06	.06	.055	22	.07
25*	.06	.06	.06	.05	.05	.05	.05	.05	.05	.05	.04	.04	.04	.05		.05	.06	.06	.06	.06	.06	.06	.06	.06	.053	23	.06
26	.05	.05	.06	.06	.06	.06	.07	.07	.08	.09			.08	.08			.08	.08	.07	.07	.07	.07	.06	.05	.068	20	.10
27	.05	.05	.05	.05	.05	.05	.05	.05	.05	.06	.05	.05	.06	.06			.04	.04	.04	.04	.04	.04	.04	.05	.048	22	.07
28	.05	.04	.04	.04	.04	.04	.04	.04	.05	.05	.05	.05	.05	.05			.06	.05	.06	.05	.05	.05	.05	.05	.047	22	.06
29	.05	.05	.05	.05	.04	.04	.05	.05	.05	.06			.05	.05			.06	.06	.06	.06	.06	.06	.06	.06	.053	20	.07
MEAN	.05	.05	.04	.04	.04	.04	.05	.05	.05	.06			.05	.05			.06	.05	.05	.05	.05	.05	.05	.05	.049		
NO	18	18	19	19	19	20	20	20	20	19	15	14	16	18		1	20	20	20	19	19	19	18	18		409	
MAX	.06	.06	.06	.06	.06	.06	.07	.07	.08	.10	.08	.05	.08	.08		.05	.08	.08	.07	.07	.07	.07	.06	.06	.068		.13

TABULATED WED., SEP. 10, 1969

* Indicates Saturday or Sunday
Local standard time used

CONTINUOUS AIR MONITORING PROGRAM

Table 3-27

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CHICAGO, ILL.

NITROGEN DIOXIDE
MARCH 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1	.05	.05	.06	.05	.04	.04	.04	.05	.05	.05	.04	.06	.08	.07			.06	.06	.06	.06	.06	.06	.05	.05	.054	22	.09
2*	.05	.05	.05	.04	.04	.04	.05	.05	.05	.05	.05	.05	.05	.05			.05	.06	.06	.06	.05	.05	.05	.05	.050	22	.06
3*	.05	.05	.06	.05	.05	.05	.05	.05	.05	.04	.04	.04	.05	.05			.06	.06	.06	.06	.05	.05	.05	.05	.050	22	.06
4	.04	.04	.04	.04	.04	.04	.04	.04	.05			.05	.05	.07			.06	.06	.06	.07	.08	.07	.06	.06	.053	20	.09
5	.06	.05	.05	.05	.06	.06	.06	.05	.06	.06	.05	.05	.05	.05			.04	.07	.07	.06	.05	.05	.05	.04	.054	22	.07
6	.04	.04	.04								.05	.05	.05	.05			.06	.06	.06	.06	.06	.06	.05	.05	.052	15	.06
7	.05	.04	.04	.04	.05	.05	.05	.07	.08	.08			.06	.06			.07	.07	.07	.07	.07	.08	.07	.06	.061	20	.09
8	.06	.06	.06	.06	.06	.05	.06	.06	.06	.07	.07	.07	.07	.07			.07	.07	.07	.07	.07	.06	.07	.08	.065	22	.09
9*	.08	.06	.05	.04	.03	.03	.03	.03	.04	.03	.04	.04	.04	.04			.04	.04	.04	.04	.03	.03	.04	.04	.040	22	.08
10*	.04	.04	.04	.04	.03	.03	.03	.04	.03	.04	.03	.04	.03	.03			.04	.04	.04	.04	.05	.05	.05	.05	.038	22	.05
11	.05	.04	.04	.04	.04	.04	.05	.05	.05	.05	.05	.05	.05	.05			.06	.06	.06	.06	.05	.05	.05	.05	.050	22	.07
12	.05	.05	.04	.04	.04	.04	.04	.05	.05	.05	.05	.05	.05	.05			.05	.05	.05	.05	.05	.05	.05	.05	.048	22	.05
13	.05	.05	.05	.05	.04	.04	.04	.05	.06	.06	.05	.05	.05	.05			.06	.06	.06	.06	.06	.06	.06	.06	.053	22	.07
14	.06	.06	.05	.05	.05	.05	.05	.05	.05	.05	.05						.06	.06	.06	.06	.07	.06	.06	.05	.056	19	.07
15	.05	.05	.05	.05	.05	.04	.05	.05	.05	.05	.06	.06	.06	.07			.07	.07	.06	.05	.05	.05	.05	.05	.053	22	.07
16*	.05	.05	.05	.05	.05	.05	.05	.06	.08	.11	.13	.10	.08	.07			.07	.07	.07	.07	.07	.08	.07	.08	.070	22	.13
17*	.08	.07	.08	.12	.09	.09	.09	.09	.08	.15	.17	.13	.08	.07			.06	.07	.07	.07	.07	.07	.07	.06	.087	22	.18
18	.06	.05	.05	.05	.04	.05	.05	.06	.06	.07	.07	.07	.07	.07			.07	.07	.07	.07	.07	.06	.06	.06	.061	22	.08
19	.06	.05	.06	.06	.05	.06	.06	.06	.06	.06	.06	.06	.06	.06			.06	.06	.06	.05	.05	.05	.05	.04	.057	22	.07
20	.04	.04	.04	.04	.03	.03	.03	.03	.03	.04	.04	.05	.04	.04			.05	.05	.05	.05	.05	.05	.04	.04	.041	22	.05
21	.04	.03	.03	.03	.03	.04	.04	.05	.05	.05	.05						.05	.05	.05	.05	.05	.05	.05	.05	.044	19	.06
22	.05	.04	.04	.04	.04	.04	.04	.05	.05	.05	.05	.05	.05	.05			.05	.05	.05	.06	.05	.05	.05	.05	.048	22	.06
23*	.05	.05	.05	.04	.04	.04	.04	.04	.04	.04	.04	.05	.05	.05			.06	.06	.06	.06	.05	.05	.05	.05	.048	22	.06
24*	.05	.05	.05	.05	.05	.04	.04	.05	.05	.05	.05	.05	.05	.05			.06	.05	.06	.06	.06	.06	.06	.06	.052	22	.07
25	.06	.05	.05	.05	.05	.04	.05	.05	.05	.06	.06	.05	.06	.06			.08	.08	.08	.07	.07	.06	.06	.06	.059	22	.08
26	.06	.05	.06	.05	.05	.05	.06	.06	.07	.07	.07	.07	.06	.06				.07	.07	.08	.09	.09	.08	.07	.066	21	.10
27	.06	.06	.05	.05	.05	.05	.06	.07	.07	.07	.07	.08	.07	.07			.08	.07	.07	.08	.07	.06	.06	.05	.063	22	.09
28	.05	.04	.04	.04	.04	.04	.04	.04	.04	.05			.03	.05			.06	.06	.06	.06	.05	.06	.05	.05	.047	20	.06
29	.05	.03	.03	.03	.04	.04	.03	.04	.06	.06	.06	.06	.06	.06			.06	.06	.06	.06	.06	.06	.06	.06	.051	22	.07
30*	.08	.08	.09	.08	.07	.06	.06	.06	.06	.06	.06	.05	.06	.06			.07	.07	.07	.07	.07	.06	.05	.05	.065	22	.09
31*	.05	.05	.04	.04	.04	.04	.03	.03	.04	.03	.03	.03	.03	.03			.03	.04	.04	.05	.05	.05	.05	.05	.039	22	.05
MEAN	.05	.05	.05	.05	.05	.05	.05	.05	.05	.06	.06	.06	.05	.06			.06	.06	.06	.06	.06	.06	.06	.05	.054		
NO	31	31	31	30	30	30	30	30	30	29	28	27	29	29			30	31	31	31	31	31	31	31		662	
MAX	.08	.08	.09	.12	.09	.09	.09	.09	.08	.15	.17	.13	.08	.07			.08	.08	.08	.08	.09	.09	.08	.08	.087		.18

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-28

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

CHICAGO, ILL.

NITROGEN DIOXIDE
APRIL 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.04		.03	.03	.04	.04	.04	.04	.04	.06		.05	.05	.06			.07	.07	.07	.06	.06	.06	.06	.06	.051	20	.07
2	.06	.06	.06	.05	.05	.05	.06	.06	.06	.06	.06	.05	.05	.05			.06	.06	.06	.06	.06	.05	.05	.04	.056	22	.07
3	.05	.05	.04	.03	.04	.04	.04	.04	.04	.04	.04						.04	.04	.04	.04	.04	.04	.04	.04	.041	19	.05
4	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04			.04	.04	.04	.04	.05	.05	.05	.05	.042	22	.05
5	.05	.05	.04	.04	.05	.05	.05	.05	.05	.05				.04			.06	.06	.06	.06	.05	.06	.05	.06	.052	19	.06
6*	.07	.06	.06	.06	.06	.05	.05	.05	.05	.05	.05	.05	.05	.06			.06	.06	.06	.06	.06	.06	.05	.06	.057	22	.07
7*	.06	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05	.04		.05	.05	.05	.05	.05	.04	.05	.03	.03	.046	23	.06
8	.03	.04	.04	.03	.03	.03	.04	.04	.04	.04	.05		.04	.04			.05	.05	.05	.05	.03	.04	.03	.03	.039	21	.06
9	.03	.03	.03	.03	.03	.03	.04	.05	.05	.05	.05	.05	.05	.05			.05	.04	.05	.05	.05	.05	.05	.05	.043	22	.07
10	.05	.04	.03	.03	.03	.04	.05	.05	.05	.05	.05	.05	.05	.05			.05	.05	.05	.05	.04	.04	.05	.05	.045	22	.06
11	.05	.06	.06	.06	.06	.06	.05	.05	.06	.05	.05	.05	.05	.05			.06	.06	.06	.06	.06	.05	.05	.05	.054	22	.07
12	.05	.05	.05	.05	.05	.05	.05	.06	.06	.07	.07	.07	.07	.07			.08	.08	.08	.07	.07	.07	.07	.05	.063	22	.09
13*	.07	.06	.05	.05	.05	.05	.05	.06	.06	.07	.07	.07	.08	.08			.08	.07	.07	.06	.06	.06	.06	.05	.062	22	.09
14*	.05	.05	.05	.03	.03	.03	.03	.03	.03	.03	.03	.05	.03	.03			.03	.04	.03	.04	.03	.03	.04	.03	.035	22	.06
15	.04	.04	.03	.03	.03	.03	.05	.05	.05	.05	.06	.06	.06	.06			.07	.07	.07	.06	.06	.06	.06	.06	.052	22	.07
16	.06	.05	.05	.05	.05	.05	.05	.06	.06	.06	.06	.06	.06	.06			.06	.07	.07	.07	.06	.05	.05	.05	.057	22	.07
17	.05	.05	.03	.04	.04	.05	.05	.05	.05	.05				.05			.07	.07	.07	.06	.06	.06	.06	.06	.053	19	.07
18	.05	.05	.05	.04	.05	.05	.05	.06	.06	.06				.05			.08	.08	.07	.07	.07	.07	.07	.06	.060	19	.08
19	.06	.06	.06	.05	.05	.05	.05	.04	.03	.03	.03						.06	.06	.07	.05	.03	.03	.04	.04	.045	19	.07
20*	.04	.05	.05	.05	.04	.04	.04	.06	.07	.07	.07	.07	.07	.06			.05	.05	.05	.05	.05	.05	.04	.04	.051	22	.08
21*	.04	.04	.03	.04	.04	.04	.04	.04	.04	.04	.05	.05	.05	.06			.09	.09	.09	.09	.08	.08	.07	.07	.056	22	.09
22																											
23																											
24																											
25																											
26																											
27*										.08	.07	.07	.07	.10			.07	.07	.07	.07	.07	.06	.06	.06	.070	13	.12
28*										.09	.08	.07	.07	.07			.09	.08	.06	.06	.06	.06	.06	.05	.067	22	.13
29																											
30	.05	.05	.04	.04	.05	.07	.08	.11	.10																		
MEAN	.05	.05	.04	.04	.04	.04	.05	.05	.05	.05	.05	.06	.05	.06		1	.06	.06	.06	.06	.05	.05	.05	.05	.052	480	
NO	22	21	22	22	22	22	22	22	22	23	19	17	18	21			23	23	23	23	23	23	23	23			
MAX	.07	.06	.06	.06	.06	.07	.08	.11	.10	.09	.08	.07	.08	.10		.05	.09	.09	.09	.09	.08	.08	.07	.07	.070		.13

TABULATED WED., SEP. 10, 1969

* Indicates Saturday or Sunday
Local standard time used

CONTINUOUS AIR MONITORING PROGRAM

Table 3-29

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CONCENTRATION IN PPM

COLORIMETRIC ANALYSIS

CHICAGO, ILL.

NITROGEN DIOXIDE
MAY 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1	.05	.05	.05	.04	.04	.04	.05	.06	.06	.06								.06	.06	.06	.06	.07	.07	.07	.056	17	.07
2	.07	.07	.07	.08	.05	.06	.06	.08	.09	.09	.09	.08	.10	.11	.07					.08	.09	.09	.10	.09	.081	20	.12
3	.07	.06	.06	.06	.05	.07	.05	.05	.06	.07	.07	.08	.06	.06			.08	.08	.08	.09	.05	.05	.05	.05	.064	22	.10
4*	.05	.05	.04	.03	.03	.04	.05	.06	.07	.07	.06	.05	.06	.07			.06	.05	.05	.05	.05	.05	.05	.05	.051	22	.08
5*	.05	.05	.04	.04	.04	.04	.04	.04	.04	.04	.04	.05	.05	.05			.05	.05	.05	.05	.05	.05	.05	.05	.046	22	.06
6	.04	.05	.06	.06	.06	.07	.07	.07	.07	.05	.05	.05	.06	.06			.07	.07	.06	.06	.05	.05	.06	.06	.059	22	.08
7	.04	.04	.03	.03	.04	.03	.05	.06	.06	.05	.06	.06	.06	.07			.08	.08	.05	.07	.08	.07	.06	.07	.055	22	.09
8	.06	.05	.04	.04	.05	.06	.05	.05	.06	.06	.06	.05	.06	.06			.06	.05	.06	.06	.07	.06	.06	.05	.054	22	.07
9	.04	.05	.03	.04	.04	.04	.04	.04	.04	.04			.05	.04			.05	.04	.03	.04	.04	.04	.03	.03	.038	20	.05
10	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.05	.06	.06	.06			.05	.06	.06	.06	.06	.06	.06	.06	.047	22	.07
11*	.06	.06	.06	.07	.07	.05	.05	.05	.05	.06	.06	.06	.07	.07			.09	.09	.08	.08	.09	.08	.08	.08	.069	22	.09
12*	.08	.08	.07	.06	.05	.05	.06	.06	.06	.07	.07	.08	.10	.09			.08	.08	.09	.08	.08	.07	.08	.07	.072	22	.12
13	.07	.07	.07	.07	.06	.06	.07	.08	.08								.12	.09	.10	.08	.07	.08	.08	.08	.077	17	.12
14	.08	.07	.08	.09	.08	.05	.05	.06	.05	.05	.05	.06	.05	.06			.07	.07	.07	.07	.07	.06	.06	.06	.064	22	.11
15	.06	.05	.05	.06	.05	.05	.06	.10	.09	.10	.10	.09	.07	.07			.08	.07	.06	.06	.06	.06	.05	.05	.067	22	.13
16	.05	.05	.03	.03	.02	.03	.04	.04	.04	.04				.03			.05	.05	.05	.05	.05	.05	.04	.04	.041	19	.06
17	.03	.03	.03	.03	.04	.04	.05	.05	.05	.07	.07	.07	.07	.07			.08	.07	.07	.07	.07	.07	.07	.07	.057	22	.08
18*	.07	.08	.08	.06	.06	.07	.07	.07	.07	.07	.07	.06	.07	.07			.07	.06	.05	.05	.06	.05	.05	.05	.064	22	.09
19*	.05	.04	.04	.04	.04	.04	.04	.04	.04	.04	.05	.05	.05	.05		.06	.07	.07	.07	.07	.07	.07	.07	.06	.054	23	.08
20	.06	.06	.05	.04	.05	.05	.05	.05	.05	.05	.05	.05	.06	.06			.07	.07	.06	.07	.07	.07	.06	.06	.057	22	.08
21	.06	.05	.05	.05	.05	.06	.07	.08	.08	.08	.07	.08	.08	.09			.08	.08	.07	.07	.07	.06	.08	.08	.069	22	.09
22	.08	.08	.07	.07	.06	.07	.08	.11	.12	.09	.08			.08			.08	.07	.07	.07	.07	.07	.07	.06	.077	20	.12
23	.05	.05	.05	.04	.04	.04	.05	.06	.06	.06	.07	.07	.07	.07			.07	.07	.06	.06	.06	.06	.06	.06	.059	22	.08
24	.05	.05	.04	.04	.05	.05	.06	.06			.08	.09	.09	.10			.11	.10	.10	.09	.09	.09	.08	.08	.074	20	.11
25*	.08	.07	.05	.05	.04	.04	.05	.05	.05	.05	.06	.07	.07	.08			.09	.08	.08	.08	.08	.08	.07	.07	.065	22	.09
26*	.06	.06	.05	.03	.04	.04	.05	.05	.05	.05	.04	.05	.06	.06			.06	.06	.07	.06	.07	.07	.06	.05	.054	22	.07
27	.04	.04	.04	.04	.04	.04	.04	.05	.05	.05	.06	.06	.06	.06			.06	.05	.05	.05	.05	.04	.05	.04	.048	22	.06
28	.04	.04	.04	.03	.03	.03	.04	.05	.05	.05	.04	.04	.04	.05			.06	.06	.05	.05	.04	.05	.05	.05	.044	22	.06
29	.04	.04	.04	.04	.03	.03	.04	.04	.04	.04	.05	.06	.06	.06			.08	.07	.07	.07	.06	.05	.04	.04	.049	22	.08
30	.04	.04	.04	.03	.03	.04	.04	.04	.04	.04	.04	.05	.05	.06			.06	.06	.05	.06	.06	.06	.08	.08	.049	22	.08
31	.07	.06	.05	.05	.05	.05	.07	.10	.08	.06			.12	.14			.16	.14	.12	.11	.13	.12	.09	.08	.092	20	.17
MEAN	.06	.05	.05	.05	.04	.05	.05	.06	.06	.06	.06	.06	.07	.07			.07	.07	.07	.07	.07	.06	.06	.06	.059		
NO	31	31	31	31	31	31	31	31	30	29	26	25	27	29	1	1	29	30	30	31	31	31	31	31		660	
MAX	.08	.08	.08	.09	.08	.07	.08	.11	.12	.10	.10	.09	.12	.14	.07	.06	.16	.14	.12	.11	.13	.12	.10	.09	.092		.17

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-30

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
JUNE 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1*	.07	.06	.05	.03	.03	.05	.06	.06	.07	.07	.07	.07	.08	.07			.06	.05	.05	.05	.05	.05	.05	.05	.057	22	.08
2*	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.03		.03	.04			.05	.05	.05	.05	.05	.05	.05	.05	.043	21	.06
3	.03	.05	.06	.06	.06	.06	.08	.11	.09	.06	.06	.06	.05	.05			.06	.06	.05	.05	.06	.05	.05	.04	.059	22	.12
4	.04	.04	.04	.05	.04	.04	.05	.05	.05	.05	.05	.06	.06	.07			.08	.07	.08	.07	.08	.07	.09	.08	.059	22	.10
5	.07	.07	.07	.07	.08	.08	.10	.10		.07	.08	.09	.09	.11			.10	.09	.09	.11	.08	.07	.07	.08	.083	21	.12
6	.08	.07	.06	.06	.06	.07	.08	.09	.10	.08	.07	.07					.08	.07	.10	.07	.07	.07	.06	.06	.073	20	.10
7			.06	.07	.07	.07	.08	.10	.09	.08	.08	.11	.11	.11			.14	.13	.13	.13	.12	.10	.09	.08	.096	20	.15
8*	.08	.09	.08	.07	.07	.07	.09	.10	.11	.12	.09	.10	.09	.10			.11	.11	.10	.10	.10	.09	.09	.08	.093	22	.13
9*	.06	.08	.09	.08	.08	.08	.08	.07	.07	.05	.06	.07	.08	.09			.10	.13		.11	.10	.05	.05	.05	.077	21	.14
10	.04	.03	.03			.05	.06	.07	.07	.06	.07	.09	.11	.11			.09	.10	.09	.09	.09	.08	.06	.06	.072	20	.13
11	.04	.04	.04	.03	.02	.04	.05	.05	.06	.06	.06	.05	.05	.05			.05	.05	.04	.04	.05	.04	.04	.04	.044	22	.07
12	.04	.03	.03	.02	.02	.03	.03	.03	.03	.03	.03	.04	.04	.05			.05	.05	.05	.04	.04	.05	.05	.04	.037	22	.05
13	.04	.03	.01	.02	.03	.04	.04	.04	.05	.05	.05	.04		.03			.05	.06	.08	.08	.06	.07	.06	.06	.047	21	.09
14	.04	.04	.03	.03	.04	.05	.05	.06	.06	.06	.06	.05	.06	.07			.08	.10	.10	.10	.08	.07		.07	.062	21	.11
15*	.07	.05	.05	.05	.05	.05	.04	.04	.05	.05	.05	.05	.05	.05			.04	.04	.05	.04	.04	.04	.04	.04	.047	22	.07
16*	.04	.04	.04	.03	.01	.01	.02	.03	.03	.04	.04	.04	.04	.05		.06	.06	.06	.06	.06	.05	.05	.05	.05	.041	23	.06
17	.04	.04	.03	.03	.04	.04	.05	.06	.06	.06	.05	.05	.05	.05			.05	.05	.05	.06	.05	.06	.05	.04	.048	22	.06
18	.05	.04	.05	.05	.05	.05	.05	.05	.06	.07	.07	.07	.08	.08			.08	.08	.07	.06	.06	.05	.05	.05	.059	22	.08
19	.05	.05	.05	.04	.04	.05	.06	.08	.09	.08	.07	.09	.09	.09			.09	.08	.10	.08	.08	.08	.07	.06	.071	22	.11
20	.06	.06	.06	.06	.07	.07	.06	.06	.05	.04	.04	.04	.05	.05			.07	.07	.07	.07	.06	.05	.06	.05	.058	22	.08
21	.05	.06	.04	.03	.04	.05	.05	.06	.07				.04	.05			.06	.05	.06	.06	.06	.05	.05	.05	.051	19	.08
22*	.05	.05	.04	.03	.04	.05	.05	.04	.04	.04	.05	.05	.05	.05			.05	.05	.05	.05	.05	.05	.05	.05	.045	22	.05
23*	.04	.04	.04	.03	.03	.04	.05	.04	.05	.05	.04	.03	.04	.04			.05	.05	.06	.06	.06	.06	.05	.04	.045	22	.07
24	.04	.03	.04	.05	.05	.06	.07	.07	.07				.10	.09			.09	.08	.07	.07	.07	.06	.05	.04	.063	19	.11
25	.04	.03	.03	.02	.03	.03	.04	.04	.04	.04	.04	.04	.04	.04			.04	.04	.03	.03	.03	.03	.03	.03	.034	22	.04
26	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.05	.05	.05	.04			.02	.03	.02	.02	.02	.02	.02	.02	.031	22	.05
27	.02	.02	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.02	.03			.03	.02	.02	.02	.02	.02	.02	.02	.020	22	.03
28	.02	.02	.01	.01	.01	.02	.02	.04	.04	.04							.06	.06	.05	.05	.05	.05	.05	.06	.036	18	.06
29*	.05	.04	.04	.03	.03	.03	.03	.04	.04	.03	.04	.05	.05	.05			.06	.05	.06	.05	.06	.05	.05	.04	.043	22	.06
30*	.03	.03	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03			.03	.03	.03	.03	.03	.03	.03	.04	.029	22	.05
MEAN	.05	.04	.04	.04	.04	.05	.05	.06	.06	.05	.05	.06	.06	.06			.07	.07	.06	.06	.06	.05	.05	.05	.054		
NO	29	29	30	29	29	30	30	30	29	28	27	26	27	28		1	30	30	29	30	30	30	29	30		640	
MAX	.08	.09	.09	.08	.08	.08	.10	.11	.11	.12	.09	.11	.11	.11		.06	.14	.13	.13	.13	.12	.10	.09	.08	.096		.15

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-31

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
JULY 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1	.02	.03	.02	.02	.03	.03	.04	.04	.05	.05		.04	.05	.05			.05	.04	.04	.04	.04	.04	.04	.04	.037	21	.05
2	.03	.02	.02	.02	.02	.03	.03	.04	.04	.04	.05	.05	.05	.05			.05	.05	.04	.04	.04	.04	.04	.04	.037	22	.06
3	.04	.04	.04	.03	.03	.04	.05	.06	.07	.06	.06	.05	.05				.05	.05	.05	.05	.04	.04	.04	.05	.047	21	.08
4	.06	.05	.06	.05	.04	.04	.04	.04	.03			.03		.03					.03	.03	.04	.04		.03	.039	16	.06
5																											
6*																											
7*																											
8																											
9		.03	.02	.02		.04	.04			.07	.07			.05			.03	.03	.03	.02	.02	.02	.02	.01	.031	16	.08
10	.01	.01	.00	.00	.00	.01	.01	.02	.02	.02	.02	.02	.03	.03			.02	.02	.01	.01	.01	.01	.01	.01	.013	22	.03
11	.01	.00	.00	.00	.00	.00	.01	.02	.02	.03	.03	.03	.04	.05		.05	.07	.06	.06	.06	.06	.05	.06	.06	.033	23	.07
12	.04	.04	.03	.03	.03	.03	.03	.05	.05	.13	.17	.11	.11	.10			.07	.07	.07	.07	.07	.07	.07	.06	.068	22	.29
13*	.05	.05	.04	.04	.05	.06	.07	.09	.12		.09	.06	.06	.06		.04	.06	.07	.07	.07	.07	.07	.06	.05	.064	22	.15
14*	.05	.04	.03	.03	.03	.03	.03	.03	.05	.05	.06	.04	.04	.04		.03	.03	.03	.03	.04	.04	.04	.03	.02	.035	23	.06
15	.01	.01	.01	.01	.00	.01	.01	.02	.04	.06	.07	.06	.05	.05			.04	.04	.05	.05	.04	.04	.03	.03	.033	22	.07
16	.04	.04	.04	.03	.03	.03	.03	.05	.07	.09	.07	.05	.05	.04			.05	.06	.05	.05	.06	.06	.06	.05	.049	22	.09
17	.03	.02	.02	.02	.03	.04	.05	.06	.06	.06	.05	.05	.05	.06			.04	.04	.04	.03	.03	.03	.03	.02	.038	22	.07
18	.03	.03	.01	.01	.02	.02	.02	.03	.03	.04	.04	.04	.05	.06			.07	.06	.06	.06	.06	.05	.04	.05	.039	22	.08
19	.04	.03	.02	.01	.02	.02	.03	.04		.05	.06	.04	.03	.03			.02	.02	.02	.02	.02	.03	.03	.03	.029	21	.06
20*	.03	.02	.02	.02	.03	.03	.03	.03	.03	.04	.05	.06	.06	.06			.06	.06	.06	.06	.06	.06	.05	.05	.044	22	.07
21*	.06	.06	.06	.06	.05	.05	.05	.05	.05	.04	.04	.04	.05				.04	.06	.05	.06	.07	.07	.07	.06	.054	21	.08
22	.05	.05	.04	.04	.03	.04	.04	.04	.04	.04	.04	.05	.05	.05			.07	.06	.07	.06	.06	.06	.06	.06	.049	22	.08
23	.04	.03	.02	.02	.02	.03	.05	.05	.05	.07	.07	.08	.07	.08			.07	.09	.06	.06	.05	.06	.06	.06	.054	22	.10
24	.04		.05	.03	.03	.04		.05	.07	.10	.10	.09	.08	.07			.07	.06	.06	.06	.06	.06	.05	.06	.062	20	.11
25	.05	.04	.03	.02	.02	.05	.05	.05	.05	.05	.06	.06	.05				.03	.03	.04	.04	.03	.03	.03	.01	.037	21	.06
26	.01	.01	.00	.00	.01	.01	.02	.02	.03	.06	.08	.07	.06	.07			.09	.08	.08	.07	.09	.07	.05	.06	.047	22	.09
27*	.06	.05	.05	.04	.05	.05	.05	.05	.05	.05		.05	.06	.09			.05	.04	.04	.04	.04	.03	.03	.03	.047	21	.10
28*	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02			.03	.03	.03	.03	.03	.03	.03	.03	.018	22	.03
29	.03	.02	.02	.01	.00	.00	.01	.01	.01					.07		.01						.05	.04	.04	.022	14	.07
30	.05	.05	.04	.04	.04	.04	.05	.07	.07	.08	.07	.07	.07	.07		.08	.08	.07	.07	.07	.07	.08	.08	.06	.063	23	.09
31	.05	.04	.03	.03	.04	.05			.05	.04	.06	.07	.07	.07			.06	.06	.05	.06	.05	.05	.05	.04	.050	20	.08
MEAN	.04	.03	.03	.02	.02	.03	.03	.04	.05	.05	.06	.05	.05	.06			.05	.05	.05	.05	.05	.05	.04	.04	.043		
NO	26	26	27	27	26	27	25	25	25	24	23	25	24	24		5	25	25	26	26	26	27	26	27		567	
MAX	.06	.06	.06	.06	.05	.06	.07	.09	.12	.13	.17	.11	.11	.10		.08	.09	.09	.08	.07	.09	.08	.08	.06	.068		.29

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-32

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

NITROGEN DIOXIDE
AUG. 1968

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1	.04	.03	.03	.03	.03	.03	.04	.04	.04	.04			.05	.05			.05	.04	.04	.04	.04	.06	.06	.04	.039	20	.05
2	.05	.05	.05	.05	.04	.05	.05	.07	.08	.07	.06	.07	.08	.08			.09	.08	.08	.07	.07	.07	.07	.07	.065	22	.10
3*	.07	.06	.06	.06	.06	.05	.06	.08	.08	.11	.13	.11	.10	.10		.10	.10	.08	.08	.09	.09	.09	.09	.09	.083	23	.13
4*	.06	.05	.06	.06	.06	.07	.07	.08	.09	.09	.09	.09	.09			.11	.11	.10	.09	.09	.10	.09	.08	.05	.080	22	.12
5	.05	.04	.03	.04	.04	.04	.05										.07	.07	.05	.05	.06	.05	.05	.05	.048	15	.08
6	.05	.05	.04	.03	.03	.04	.05	.05	.07	.06	.07	.08	.09	.07			.08	.07	.07	.06	.06	.05	.06	.07	.058	22	.10
7	.05	.04	.03	.03	.05	.06	.06	.07	.07	.08	.09	.11	.10	.11			.11	.10	.07	.07	.07	.07	.07	.06	.070	22	.13
8	.05	.04	.03	.02	.02	.05	.05	.07	.09	.09	.07	.06	.05	.04		.03	.03	.03	.04	.03	.03	.03	.03	.03	.043	23	.10
9	.03	.03	.03	.02	.02	.03	.04	.08	.10	.10	.12	.09	.11	.13			.09	.07	.07	.07	.09	.08			.070	20	.14
10*																											
11*																											
12																											
13		.04	.03	.03	.03	.03	.04	.04	.05	.04	.05	.05	.05	.05			.05	.05	.06	.06	.05	.05	.04	.04	.044	21	.07
14	.04	.04	.04	.03	.03	.02	.02	.03	.03	.03	.03	.03	.03	.03			.02	.02	.02	.03	.03	.02	.02	.02	.028	22	.04
15	.02	.02	.02	.02	.02	.03	.04	.04	.04	.04	.05	.05	.05	.05			.05	.04	.04	.04	.04	.04	.03	.03	.035	22	.06
16	.04	.03	.03	.03	.02	.02	.03	.03	.04	.04	.04	.04	.05	.04			.04	.03	.03	.03	.03	.03	.03	.03	.033	22	.05
17*	.03	.03	.02	.02	.02	.02	.02	.03	.04	.04	.05	.04	.04	.04			.03	.02	.02	.02	.02	.02	.02	.02	.028	22	.05
18*	.02	.02	.02	.01	.01	.01	.02	.01	.02	.02	.02	.03	.03	.03			.04	.04	.04	.04	.04	.04	.03	.03	.025	22	.04
19	.02	.02	.02	.02	.02	.02	.02	.03	.05	.06	.06	.06	.06	.06			.05	.05	.05	.04	.04	.04	.04	.03	.039	22	.07
20	.03	.03	.03	.03	.02	.03	.03	.04	.05	.05	.06	.06	.05	.05		.11	.11	.09	.05	.06	.06	.06	.06	.05	.053	23	.13
21	.04	.04	.03	.03	.03	.04	.04	.05	.07	.09	.06	.06	.06	.06			.05	.06	.04	.04	.04	.04	.04	.03	.047	22	.10
22	.03	.02	.02	.03	.03	.03	.03	.04	.04	.05	.17	.16	.12	.09		.07	.07	.06	.06	.05	.05	.05	.05	.04	.059	23	.20
23	.03	.03	.03	.02	.02	.03	.04	.05	.06	.07	.08	.18	.13	.10		.08	.07	.06	.05	.05	.05	.04	.04	.04	.059	23	.20
24*	.04	.04	.04	.03	.03	.03	.03	.03	.03	.05	.12	.10	.07	.05		.05	.04	.04	.04	.04	.04	.04	.03	.03	.045	23	.14
25*	.03	.03	.02	.02	.02	.02	.03	.02	.02	.02	.03	.03	.03	.04			.03	.03	.03	.03	.03	.03	.03	.03	.027	22	.04
26	.03	.03	.02	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04		.04	.05	.04	.04	.04	.04	.03	.03	.03	.034	23	.05
27	.03	.03	.03	.03	.02	.03	.03	.03	.03	.04	.04	.04	.04	.04		.04	.04	.04	.03	.03	.04	.04	.04	.04	.034	23	.04
28	.04	.04	.04	.03	.03	.04	.05	.05	.05	.04	.06	.06	.07	.07		.06	.07	.07	.06	.07	.07	.07	.07	.07	.055	23	.08
29	.06	.05	.05	.04	.05	.06	.06	.08	.10	.15	.12	.08	.08	.08		.09	.10	.09	.09	.08	.08	.09	.09	.09	.080	23	.18
30	.08	.06	.05	.08	.11	.09	.08	.10	.12	.11	.09	.10	.11	.10		.10	.10	.09	.09	.09	.09	.09	.08	.07	.090	23	.13
31*	.07	.09	.07	.06	.06	.06	.06	.08	.11	.11	.10	.09	.10	.10		.08	.10	.10	.09	.08	.07	.07	.06	.06	.080	23	.14
MEAN	.04	.04	.03	.03	.03	.04	.04	.05	.06	.06	.07	.07	.07	.06			.07	.06	.05	.05	.05	.05	.05	.05	.052		
NO	27	28	28	28	28	28	28	27	27	27	26	26	27	26		13	28	28	28	28	28	28	27	27		616	
MAX	.08	.09	.07	.08	.11	.09	.08	.10	.12	.15	.17	.18	.13	.13		.11	.11	.10	.09	.09	.10	.09	.09	.09	.090		.20

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-33

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
SEPT. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*	.05	.05	.04	.03	.03	.04	.04	.04	.04	.04	.05	.05	.05	.05		.05	.05	.05	.05	.05	.05	.05	.04	.04	.044	23	.05
2	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04		.04	.05	.07	.07	.07	.07	.07	.06	.05	.045	23	.07
3	.04	.04	.05	.04	.04	.04	.05	.07	.07		.09	.07	.07	.06		.07	.07	.07	.07	.07	.06	.06	.06	.06	.060	22	.10
4	.06	.05	.05	.05	.05	.05	.05	.07	.07	.06	.07	.06	.05	.06		.06	.06	.06	.05	.05	.04	.04	.04	.04	.053	23	.08
5	.04	.03	.03	.02	.02	.03	.03	.04	.05	.05	.04	.04	.04	.05		.05	.05	.05	.05	.05	.04	.04	.04	.04	.039	23	.06
6	.04	.03	.02	.02	.02	.02	.03	.03	.05	.05	.05	.04	.05	.05		.06	.05	.05	.05	.05	.05	.04	.04	.04	.040	23	.06
7*	.04	.03	.03	.03	.04	.04	.05	.04	.04	.06	.06	.06	.06	.06			.06	.06	.05	.05	.05	.06	.05	.06	.049	22	.07
8*	.05	.04	.04	.04	.04	.05	.05	.05	.05	.04	.05	.05	.05	.06		.05	.06	.06	.07	.07	.07	.06	.05	.04	.051	23	.07
9	.04	.03	.04	.03	.04	.04	.04	.05	.05	.05	.05	.05	.05	.04		.04	.03	.02	.02	.02	.02	.02	.02	.02	.036	23	.06
10	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03			.03	.03	.03	.03	.03	.03	.03	.03	.026	22	.04
11	.03	.02	.02	.02	.02	.03	.03	.03	.04	.04	.04	.04	.04	.05		.05	.05	.04	.04	.04	.04	.04	.05	.05	.037	23	.06
12	.04	.04	.04	.05	.04	.04	.05	.06	.07	.07	.07	.07	.09	.09		.08	.07	.06	.05	.06	.07	.06	.06	.07	.060	23	.10
13	.06	.07	.07	.06	.06	.07	.07	.11	.14	.09	.08	.07	.08	.08		.08	.10	.08	.09	.08	.07	.06	.07	.06	.077	23	.16
14*	.06	.05	.05	.05	.05	.05	.05	.07	.08	.08	.06	.07	.07	.08		.07	.07	.06	.07	.08	.08	.07	.07	.07	.066	23	.09
15*	.07	.07	.07	.07	.07	.06	.06	.06	.07	.08	.08			.08		.08	.07	.07	.07	.07	.07	.07	.07	.06	.069	21	.09
16	.04			.06	.06	.06	.06	.06		.07	.07	.08	.07	.08			.07	.07	.06	.06	.05	.04	.04	.04	.060	19	.09
17	.03	.04	.04	.05	.04	.04	.05	.05	.04	.05	.05	.05	.04	.04			.04	.04	.04	.04	.04	.04	.03	.03	.042	22	.06
18	.03	.03	.04	.03	.03	.04	.05	.04	.04	.04	.04	.04	.04	.05		.05	.05	.05	.04	.04	.04	.04	.04	.03	.040	23	.05
19	.04	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04		.04	.05	.04	.04	.04	.04	.04	.04	.04	.037	23	.05
20	.04	.03	.03	.04	.04	.04	.05	.06	.09	.07	.06	.06	.06	.06		.07	.08	.10	.11	.10	.09	.08	.07	.06	.065	23	.11
21*	.06	.05	.05	.05	.04	.05	.05	.05	.07	.09	.09	.09	.07	.06		.06	.05	.05	.06	.06	.06	.06	.05	.05	.058	23	.09
22*	.05	.04	.04	.04	.04	.03	.03	.03	.04	.06	.06	.07	.09	.11		.11	.11	.12	.10	.08	.08	.07	.06	.07	.066	23	.12
23	.06	.05	.06	.05	.05	.05	.05	.05	.08				.07	.06		.04					.04	.04	.04		.052	15	.10
24																											
25	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04	.04		.05	.05	.04	.04	.04	.04	.04	.04	.05	.039	23	.05
26	.04	.04	.04	.04	.04	.04	.05	.07	.07	.05	.05	.05	.06	.06		.06	.06	.06	.06	.05	.06	.06	.07	.06	.053	23	.07
27	.06	.06	.05	.05	.06	.06	.06	.07	.07	.08	.08	.09	.07	.06			.06	.06	.06	.06	.06	.05	.04	.04	.061	22	.10
28*	.04	.04	.04	.04	.03	.04	.05	.06	.05	.04	.04	.04	.04	.04			.04	.04	.04	.04	.04	.04	.06	.06	.043	22	.07
29*	.06	.05	.05	.07	.06	.05	.05	.05	.05	.04	.05	.05	.05	.05			.06	.06	.06	.06	.06	.06	.06	.06	.055	22	.07
30	.05	.05	.05	.04	.04	.04	.05	.07	.07			.08	.08	.08		.08	.08	.08	.08	.07	.07	.07	.06	.06	.064	21	.09
MEAN	.04	.04	.04	.04	.04	.04	.05	.05	.06	.05	.06	.06	.06	.06		.06	.06	.06	.06	.06	.05	.05	.05	.05	.051		
NO	29	28	28	29	29	29	29	29	28	26	27	27	28	29		22	28	28	28	28	29	29	29	28		644	
MAX	.07	.07	.07	.07	.07	.07	.07	.11	.14	.09	.09	.09	.09	.11		.11	.11	.12	.11	.10	.09	.08	.07	.07	.077		.16

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-34

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
OCT. 1968

DAY OF MONTH	A.M. 12:1	1:2	2:3	3:4	4:5	5:6	6:7	7:8	8:9	9:10	10:11	11:12	P.M. 12:1	1:2	2:3	3:4	4:5	5:6	6:7	7:8	8:9	9:10	10:11	11:12	DAILY MEAN	NO. OF HRS	5 MIN. MAX
1	.05	.05	.05	.05	.05	.06	.05	.06	.07	.06	.07	.07	.06	.07		.07	.07	.07	.06	.06	.05	.05	.05	.05	.058	23	.08
2	.04	.04	.05	.04	.04	.04	.04	.05	.05	.05	.05	.06	.06	.05		.06	.06	.06	.06	.06	.06	.04	.04	.04	.049	23	.06
3	.02	.02	.02	.02	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04		.04	.04	.04	.04	.04	.04	.04	.03	.03	.034	23	.05
4	.03	.03	.02	.02	.02	.02	.03	.04	.04	.04	.04	.04	.04	.04		.04	.04	.04	.04	.04	.04	.04	.04	.06	.036	23	.06
5*	.06	.06	.05	.04	.05	.05	.06	.06	.07	.06	.05	.06	.06	.06			.06	.05	.05	.05	.05	.06	.06	.05	.055	22	.07
6*	.05	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.05			.05	.04	.04	.04	.04	.04	.04	.04	.041	22	.05
7	.04	.03	.03	.03	.04	.04	.04	.04	.04	.05	.05	.06	.05	.06			.06	.05	.05	.05	.05	.05	.04	.04	.045	22	.07
8	.04	.04	.04	.03	.04	.04	.04	.04	.04	.05	.05	.06	.06	.07			.07	.07	.06	.06	.06	.05	.05	.05	.050	22	.07
9	.05	.06	.05	.05	.05	.05	.04	.05	.05	.05	.05	.06	.06	.06			.05	.04	.03	.03	.04	.04	.03	.03	.046	22	.06
10	.03	.03	.02	.02	.02	.03	.03	.04	.04	.04	.04	.04	.05	.05		.06	.07	.06	.05	.06	.05	.06	.05	.05	.043	23	.07
11	.05	.05	.04	.05	.05	.05	.06	.07	.07	.06	.06	.06	.06	.06			.07	.06	.06	.06	.06	.06	.06	.06	.057	22	.08
12*	.06	.05	.05	.05	.05	.06	.05	.06	.08	.09	.09	.13	.14	.09		.07	.08	.07	.07	.06	.06	.06	.05	.05	.070	23	.15
13*	.05	.05	.05	.04	.04	.03	.04	.04	.04	.04	.05	.04	.04	.05			.04	.04	.04	.04	.04	.05	.04	.04	.042	22	.05
14	.04	.04	.03	.03	.03	.03	.03	.04	.05			.06	.05	.06		.05	.06	.06	.06	.05	.05	.05	.04	.04	.045	21	.06
15	.04	.03	.03	.03	.03	.03	.03	.04	.05	.05	.05	.05	.05	.05		.06	.06	.06	.05	.05	.05	.05	.04	.04	.044	23	.06
16	.04	.04	.04	.03	.04	.04	.05	.05	.06	.06	.06	.06	.06	.06			.05	.05	.05	.05	.04	.04	.05	.04	.048	22	.07
17	.03	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.04		.04	.04	.04	.04	.04	.04	.03	.03	.03	.031	23	.04
18	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04		.04	.04	.04	.04	.04	.05	.04	.04	.04	.037	23	.05
19*	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.05	.04	.04	.04		.04	.04	.04	.04	.04	.04	.04	.04	.04	.038	23	.05
20*	.04	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04			.04	.04	.04	.04	.04	.04	.04	.04	.037	22	.05
21	.04	.04	.04	.04	.05	.05	.06	.07	.07	.07	.06	.06	.06	.06			.06	.05	.05	.05	.05	.05	.05	.05	.054	22	.07
22	.04	.05	.05	.05	.05	.04	.04	.04	.03	.03	.03	.03	.03	.03		.03	.03	.03	.03	.03	.04	.03	.03	.03	.035	23	.05
23	.03	.03	.03	.03	.03	.03	.04	.04	.04	.05	.06	.05	.05	.04		.04	.04	.04	.04	.04	.04	.04	.04	.04	.039	23	.07
24	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04		.04	.04	.04	.04	.04	.04	.03	.03	.03	.038	23	.05
25	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04		.04	.04	.04	.04	.04	.04	.04	.04	.04	.037	23	.05
26*	.03	.03	.03	.03	.03	.03	.03	.04	.04	.05	.05	.05	.05	.05		.04	.04	.05	.05	.05	.05	.05	.05	.05	.042	23	.05
27*	.04	.04	.04	.04	.03	.03	.02	.02	.02	.02	.03	.03	.03	.03		.03	.03	.03	.03	.03	.02	.02	.02	.02	.028	23	.04
28	.02	.02	.02	.01	.01	.02	.02	.02	.03	.03				.03		.03	.03	.03	.03	.02	.02	.02	.02	.02	.022	20	.03
29	.02	.02	.02	.02	.02	.02	.02	.03	.03	.04	.04	.04	.03	.03		.03	.03	.03	.03	.03	.03	.03	.03	.03	.028	23	.05
30	.03	.03	.04	.06	.05	.04	.04	.04	.04	.04	.04	.04	.04	.04		.05	.05	.04	.04	.04	.04	.04	.04	.04	.041	23	.06
31	.04	.04	.04	.03	.03	.03	.03	.04			.06	.06	.07	.07		.07	.07	.07	.07	.06	.05	.05	.04	.04	.051	21	.08
MEAN	.04	.04	.03	.03	.03	.04	.04	.04	.05	.05	.05	.05	.05	.05		.05	.05	.05	.05	.04	.04	.04	.04	.04	.043		
NO.	31	31	31	31	31	31	31	31	30	29	29	30	30	31		21	31	31	31	31	31	31	31	31		696	
MAX	.06	.06	.05	.06	.05	.06	.06	.07	.08	.09	.09	.13	.14	.09		.07	.08	.07	.07	.06	.06	.06	.06	.06	.070		.15

* Indicates Saturday or Sunday
Local standard time used

TABULATED: WED., SEP. 10, 1969

Table 3-35

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
NOV. 1968

DAY OF MONTH	AM 12-1	AM 1-2	AM 2-3	AM 3-4	AM 4-5	AM 5-6	AM 6-7	AM 7-8	AM 8-9	AM 9-10	AM 10-11	AM 11-12	PM 12-1	PM 1-2	PM 2-3	PM 3-4	PM 4-5	PM 5-6	PM 6-7	PM 7-8	PM 8-9	PM 9-10	PM 10-11	PM 11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1	.04	.03	.03	.03	.03	.03	.03	.03	.03	.04	.03	.03	.04	.05		.05	.05	.05	.05	.04	.04	.04	.03	.03	.036	23	.06
2*	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.03	.03	.03	.03		.03	.04	.04	.04	.03	.03	.03	.02	.02	.030	23	.04
3*	.02	.02	.03	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03		.03	.03	.03	.04	.03	.03	.03	.03	.03	.026	23	.03
4	.03	.02	.02	.02	.02	.03	.03	.03	.03	.04		.04	.04	.04			.04	.04	.04	.04	.04	.04	.04	.04	.034	21	.05
5	.04	.04	.04	.04	.04	.04	.04	.04	.04	.05	.04	.04	.05	.05			.05	.05	.05	.04	.04	.04	.03	.03	.042	22	.05
6	.04	.04	.03	.03	.03	.04	.04	.04	.04	.04	.04	.04	.04	.04			.04	.04	.04	.04	.04	.04	.03	.03	.037	22	.04
7	.03	.03	.03	.02	.02	.02	.03	.03	.03	.04	.04	.04	.04	.04			.04	.04	.04	.03	.03	.03	.03	.03	.032	22	.04
8	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04			.04	.04	.04	.04	.04	.04	.04	.04	.036	22	.05
9*	.04	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.05	.04			.04	.04	.04	.04	.04	.04	.04	.04	.037	22	.05
10*	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04	.04			.04	.04	.04	.04	.04	.05	.05	.05	.041	22	.05
11	.05	.04	.04	.04	.04	.04	.03	.04	.04	.04	.04	.04	.05	.04			.04	.04	.04	.04	.04	.04	.04	.04	.040	22	.05
12	.04	.04	.04	.03	.03	.03	.04	.04	.04	.04	.05			.05			.04	.04	.04	.04	.04	.04	.04	.04	.039	20	.05
13	.04	.03	.03	.03	.04	.04	.05	.05	.07	.08	.08	.08	.07	.07			.05	.05	.04	.04	.04	.05	.04	.04	.050	22	.08
14	.04	.04	.04	.04	.03	.03	.03	.04	.04	.05	.05	.06	.06	.05			.05	.05	.05	.04	.04	.04	.04	.04	.044	22	.07
15	.04	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.05	.05			.05	.05	.05	.05	.05	.05	.05	.04	.041	22	.05
16*	.04	.03	.03	.03	.03	.03	.03	.03	.03	.04	.03	.03	.04	.04			.03	.03	.03	.03	.03	.03	.03	.03	.032	22	.04
17*	.03	.03						.03	.03	.03	.03	.03	.04	.04			.03	.03	.03	.03	.03	.03	.03	.03	.031	17	.04
18	.03	.03	.03	.03	.02	.02	.03	.03	.03	.03	.03	.04	.03				.03	.03	.03	.03	.03	.03	.03	.03	.029	21	.04
19	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.04			.04	.04	.04	.04	.04	.04	.04	.04	.036	22	.05
20	.04	.03	.03	.03	.03	.03	.04	.04	.04	.03	.03	.03	.03	.03		.03	.03	.03	.04	.03	.03	.03	.03	.03	.031	23	.04
21	.03	.03	.03	.02	.02	.02	.02	.03	.03	.03	.04	.04	.04	.04				.04	.04	.03	.03	.03	.04	.04	.030	14	.04
22							.03	.03	.04	.05	.07	.10	.10	.07					.04	.03	.03	.03	.04	.04	.049	19	.11
23*							.02	.02	.01	.02	.03	.04	.04	.03			.03	.03	.04	.03	.03	.03	.02	.02	.028	16	.04
24*							.02	.03	.03	.04	.05	.05	.03	.04			.04	.04	.04	.04	.04	.04	.04	.04	.035	18	.05
25					.02	.02																					
26	.03	.03	.03	.03	.03	.03	.04	.04	.04	.05	.05	.05	.05				.04	.04	.03	.03	.03	.03	.03	.03	.036	21	.05
27	.03	.03	.03	.03	.03	.03	.03	.04	.03	.04	.04	.04	.04	.04		.04	.04	.05	.04	.04	.03	.03	.03	.03	.035	23	.05
28	.03	.03	.03	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.03			.02	.02	.03	.03	.03	.03	.03	.02	.027	22	.03
29	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.04	.04	.04	.04		.03	.04	.04	.04	.04	.04	.03	.03	.03	.031	23	.04
30*	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04		.03	.03	.03	.04	.04	.04	.04	.04	.04	.034	23	.04
MEAN	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04			.04	.04	.04	.04	.04	.04	.03	.03	.035		
NO	26	26	25	25	26	26	28	29	29	29	28	28	28	27		7	27	28	28	28	28	28	28	28		610	
MAX	.05	.04	.04	.04	.04	.04	.05	.05	.07	.08	.08	.10	.10	.07		.05	.05	.05	.05	.05	.05	.05	.05	.05	.050		.11

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-36

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
COLORIMETRIC ANALYSIS

NITROGEN DIOXIDE
DEC. 1968

DAY OF MONTH	A M												P M												DAILY MEAN	NO OF HRS	5 MIN MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1*	.04	.04	.03	.04	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03		.02	.03	.03	.03	.03	.02	.02	.03	.03	.029	23	.04
2	.02	.03	.03	.03	.03	.02	.02	.04	.03	.03	.04	.03	.03	.03			.04	.04	.04	.04	.03	.03	.03	.04	.030	22	.04
3																											
4																											
5																											
6																											
7*																											
8*																											
9																											
10																											
11		.04	.05	.04	.04	.04	.05	.05	.05	.06	.06	.07	.07	.07		.08	.07	.07	.07	.07	.06	.06	.06	.06	.059	22	.08
12	.06	.05	.05	.05	.05	.05	.06	.06	.06	.06		.06	.06	.06		.05	.05	.06	.06	.05	.05	.05	.05	.05	.054	22	.07
13	.05	.04	.03	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03		.05	.05	.05	.04	.04	.04	.04	.04	.04	.034	23	.05
14*	.04	.04	.04	.04	.04	.04	.04	.05	.05	.05	.05	.05	.05	.05		.05	.06	.05	.05	.05	.05	.05	.05	.05	.047	23	.06
15*	.05	.05	.05	.04	.05	.05	.05	.05	.05	.05	.05	.05	.05	.05		.05	.05	.05	.05	.05	.05	.05	.05	.05	.050	23	.06
16	.05	.05	.05	.05	.05	.05	.05	.05	.06	.06	.06	.06	.06	.06		.05	.06	.06	.06	.05	.05	.06	.06	.06	.056	23	.07
17	.06	.06	.05	.06	.06	.06	.07	.07	.06	.05	.06	.06	.08	.07		.06	.06	.06	.06	.06	.05	.05	.05	.05	.060	23	.09
18	.04	.04	.04	.04	.04	.03	.03	.04	.04	.04	.04	.04	.04	.03	.03		.04	.04	.04	.04	.04	.04	.03	.03	.037	23	.05
19	.03	.04	.04	.04	.04	.05	.04	.04	.05	.05	.05	.04	.04	.04			.03	.04	.04	.04	.04				.040	19	.05
20	.04	.04	.04	.04	.04	.04	.04	.04	.05	.05	.05	.05	.05	.05		.05	.05	.05	.04	.05	.04	.04	.05	.04	.044	23	.05
21*	.04	.05	.05	.05	.04	.04	.05	.05	.05	.05	.05	.05	.05	.04		.04	.04	.03	.04	.04	.04	.04	.03	.03	.042	23	.06
22*	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.04		.04	.04	.04	.04	.03	.03	.03	.04	.04	.034	23	.05
23	.04	.04	.04	.03	.03	.04	.04	.04	.04	.05	.05	.05	.05	.04		.05	.05	.05	.04	.05	.05	.05	.05	.05	.045	23	.06
24	.05	.04	.04	.04	.04	.04	.04	.05	.05	.05	.05	.05	.05	.05		.05	.05	.06	.05	.05	.05	.05	.05	.05	.048	23	.06
25	.05	.05	.04	.04	.04	.04	.05	.05	.05	.05	.05	.05	.05	.05		.04	.04	.04	.07	.08	.06	.06	.05	.05	.050	23	.09
26																											
27																											
28*																											
29*																											
30																											
31		.03	.03	.03	.03	.02	.03	.03	.03	.03	.03	.03	.03	.04		.03	.04	.04	.03	.03	.03	.03	.03	.03	.031	22	.04
MEAN	.04	.04	.04	.04	.04	.04	.04	.04	.04	.05	.05	.05	.05	.05			.05	.05	.05	.04	.04	.04	.04	.04	.044		
NO	16	18	18	18	18	18	18	18	18	18	17	18	18	18	1	15	18	18	18	18	18	17	17	17		406	
MAX	.06	.06	.05	.06	.06	.06	.07	.07	.06	.06	.06	.07	.08	.07	.03	.08	.07	.07	.07	.08	.06	.06	.06	.06	.060		.09

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-37

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM

CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
JAN. 1968

DAY OF MONTH	AM 12-1	AM 1-2	AM 2-3	AM 3-4	AM 4-5	AM 5-6	AM 6-7	AM 7-8	AM 8-9	AM 9-10	AM 10-11	AM 11-12	PM 12-1	PM 1-2	PM 2-3	PM 3-4	PM 4-5	PM 5-6	PM 6-7	PM 7-8	PM 8-9	PM 9-10	PM 10-11	PM 11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1	.19	.21	.20	.28	.38	.40	.41	.49	.34	.18	.21	.14	.15	.16	.18	.18	.20	.20	.18	.18	.16	.15	.24	.32	.238	24	.61
2	.38	.33	.38	.33	.39	.46	.45	.44	.40			.12	.15	.40	.19	.47	.41	.40	.31	.36	.42	.26	.22	.20	.339	22	.58
3	.20	.18	.19	.14	.16	.18	.16	.20	.20	.18	.25	.20	.23	.21	.28	.46	.26	.26	.26	.20	.23	.30	.28	.27	.227	24	.55
4	.18	.18	.12	.16	.25	.32	.25	.19	.17	.15	.15	.13	.15	.12	.15	.12	.14	.13	.13	.14	.13	.16	.20	.14	.164	24	.39
5	.20	.27	.34	.46	.18	.21	.25	.20	.18	.25	.59	.43	.28	.27	.20	.22	.35	.37	.43	.38	.56	.49	.27	.33	.321	24	.81
6*	.28	.28	.28	.29	.39	.46	.45	.44	.46	.56	.58	.50	.43	.31	.29	.29	.27	.28	.26	.26	.30	.27	.22	.19	.347	24	.64
7*	.20	.17	.19	.17	.15	.16	.17	.18	.18	.17	.17	.15	.18	.24	.21	.23	.24	.22	.30	.19	.15	.19	.19	.21	.192	24	.40
8	.23	.30	.38	.44	.45	.45	.51	.61	.51	.42		.29	.34	.24	.25	.23	.31	.45	.47	.27	.26	.26	.23	.25	.353	23	.75
9	.20	.17	.15	.16	.31	.37	.34	.43	.33	.33	.21	.23	.15	.18	.22	.23	.27	.32	.24	.16	.17	.26	.28	.31	.250	24	.50
10	.32	.36	.37	.51	.57	.51	.50	.63				.10	.10	.11	.11	.12	.11	.12	.10	.08	.06	.06	.05	.05	.234	21	.70
11	.06	.04	.04	.06	.05	.07	.08	.11	.12	.09	.08	.08	.10	.09	.06	.07	.06	.06	.05	.05	.05	.08	.08	.10	.072	24	.19
12	.10	.11	.11	.13	.10	.14	.17	.20	.20	.20	.25	.27	.23	.15	.08	.05	.10	.09	.13	.09	.15	.13	.14	.08	.141	24	.31
13*	.05	.08	.09	.11	.10	.13	.15	.13	.15	.14	.12	.12	.13	.15	.16	.17	.18	.21	.18	.16	.15	.14	.17	.17	.139	24	.22
14*	.14	.15	.11	.10	.15	.14	.16	.18	.18	.19	.17	.15	.14	.17	.17	.19	.17	.16	.16	.19	.18	.14	.14	.15	.157	24	.22
15	.16	.16	.17	.17	.27	.37	.29	.23	.20	.22	.27		.33	.41	.30	.28	.25	.24	.21	.22	.33	.38	.32	.38	.267	23	.48
16	.38	.28	.43	.42	.48	.65	.74	.61	.47	.63	.77	.48	.34	.45	.54	.43	.29	.25	.42	.47	.64	.45	.54	.29	.476	24	1.33
17	.31	.32	.25	.32	.39	.43	.57	.64	.44	.69	.82	.45	.42	.68	.70	.53	.46	.68	.72	.40	.60	.70	.51	.28	.512	24	.90
18	.31	.32	.35	.33	.33	.40	.49	.52	.45	.40	.36	.43	.43	.42	.44	.35	.51	.33	.22	.22	.22	.21	.23	.20	.351	24	.67
19	.08	.10	.10	.10	.11	.17	.15	.20	.22	.27	.25	.45	.75	.60	.69	.50	.45	.40	.37	.30	.56	.60	.63	.25	.345	24	1.13
20*	.18	.19	.21	.25	.20	.33	.46	.51	.49	.58	.54	.76	.50	.60	.50	.29	.40	.32	.20	.21	.20	.18	.13	.17	.349	24	1.02
21*	.18	.18	.18	.21	.30	.29	.27	.20	.21	.15	.14	.09	.16	.18	.10	.06	.04	.09	.22	.29	.33	.27	.26	.23	.191	24	.39
22	.24	.33	.32	.33	.31	.30	.35	.50	.54	.38	.51	.48	.37		.25	.23	.26	.27	.25	.27	.24	.22	.20	.17	.320	23	.76
23	.18	.22	.21	.19	.27	.32	.36	.33	.33	.35	.19	.25	.27	.24	.22	.22	.24	.23	.23	.28	.31	.32	.31	.31	.265	24	.51
24	.33	.32	.34	.30	.30	.30	.42	.33	.34	.28	.30	.24	.19	.14	.10	.11	.14	.15	.17	.15	.14	.30	.31	.28	.247	24	.49
25	.28	.34	.32	.40	.15	.20	.20	.23	.30	.27	.27	.21	.19	.18	.14	.19	.16	.12	.18	.18	.17	.19	.20	.21	.219	24	.64
26	.34	.23	.17	.21	.26	.33	.35	.40	.33	.31	.36	.49	.32	.20	.15	.14	.10	.07	.08	.10	.09	.10	.09	.09	.221	24	.71
27*	.08	.08	.10	.10	.14	.12	.09	.10	.22	.27	.21	.14	.19	.16	.15	.18	.23	.20	.29	.26	.31	.38	.44	.33	.198	24	.54
28*	.27	.24	.37	.52	.22	.22	.22	.20	.25	.22	.20	.18	.23	.07									.22	.18	.237	16	.68
29	.13	.12	.12	.17	.24	.36	.55	.44	.45	.71	.47	.41	.29	.41	.19										.336	15	.79
30																											
31																											
MEAN	.21	.21	.23	.25	.26	.30	.33	.34	.31	.32	.33	.28	.27	.27	.25	.24	.24	.24	.25	.22	.26	.26	.25	.22	.235		
NO	29	29	29	29	29	29	29	29	28	27	26	28	29	28	28	27	27	27	27	27	27	27	28	28		671	
MAX	.38	.36	.43	.52	.57	.65	.74	.64	.54	.71	.82	.76	.75	.68	.70	.53	.51	.68	.72	.47	.64	.70	.63	.38	.512		1.33

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-38

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

CHICAGO, ILL.

SULFUR DIOXIDE
FEB. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1																											
2																											
3*																											
4*																											
5																											
6	.86	.73	.72	.63	.47	.40	.62	.64	.57	.38	.31	.28	.71	.50	.56	.40	.35	.37	.15	.10	.17	.24	.17	.16	.436	24	.99
7	.14	.17	.16	.18	.29	.37	.29	.27	.25					.34	.38	.39	.33	.27	.31	.34	.27	.26	.34	.33	.282	20	.46
8	.34	.29	.33	.28	.29	.34	.32	.29	.32	.34	.24	.20					.23	.19	.23	.26	.23	.27	.23	.19	.269	20	.42
9	.12	.15	.22	.25	.28	.33	.40	.40	.38	.32	.34	.28	.29	.24	.30	.26	.30	.28	.25	.35	.33	.32	.30	.27	.290	24	.87
10*	.25	.25	.23	.22	.25	.26	.27	.27	.27	.29	.23	.26	.27	.25	.22	.23	.23	.28	.28	.29	.33	.33	.29	.28	.263	24	.38
11*	.27	.24	.23	.21	.22	.20	.21	.18	.16	.14	.16	.23	.17	.15	.12	.13	.12	.13	.13	.11	.15	.18	.18	.21	.176	24	.32
12	.24	.23	.24	.28	.29	.29	.30	.31	.30	.27	.33	.30	.26	.24	.21	.22	.20	.17	.17	.17	.20	.25	.29	.30	.251	24	.40
13	.29	.33	.33	.26	.29	.39	.48	.42	.42			.20	.27		.28	.21	.22	.19	.19	.26	.18	.18	.17	.15	.272	21	.54
14	.17	.15	.12	.14	.16	.19	.21	.22	.24	.29	.29	.31	.27	.19	.22	.21	.24	.24	.24	.24	.26	.23	.25	.18	.219	24	.41
15	.22	.26	.22	.17	.19	.21	.23	.23	.24	.19	.20	.16	.15	.19	.13	.15	.15	.12	.12	.17	.21	.23	.22	.25	.191	24	.35
16	.21	.20	.26	.34	.41	.41	.42	.47	.36	.66	.66	.46	.31	.32	.23	.09	.10	.10	.10	.10	.10	.09	.10	.11	.275	24	.85
17*	.12	.12	.11	.17	.16	.15	.15	.16	.16	.14	.13	.14	.19	.17	.13	.15	.12	.12	.12	.11	.10	.12	.13	.13	.136	24	.26
18*	.13	.13	.13	.14	.16	.19	.22	.22	.18	.17	.13	.11	.11	.13	.12	.11	.11	.13	.12	.14	.15	.17	.20	.27	.153	24	.32
19					.39								.37	.32	.41	.41	.40	.24	.30	.29	.29	.24	.34	.31	.330	13	.54
20	.27	.32	.25	.23	.27	.33	.41	.46	.42	.41	.42	.33	.30	.31	.29	.22	.25	.36	.31	.33	.36	.33	.34	.32	.327	24	.58
21	.33	.33	.31	.32	.35	.33	.35	.25	.21	.18	.20	.20	.16	.16	.16	.17	.22	.21	.22	.22	.25	.20	.19	.19	.237	24	.40
22	.24	.24	.23	.21	.33	.35	.28	.26	.35	.27	.22	.17	.18	.14	.17	.14	.18	.15	.16	.18	.19	.21	.20	.17	.218	24	.43
23	.22	.23	.31	.35	.43	.40	.36	.33	.43	.56	.44	.38	.29					.17	.19	.15	.16	.17	.16	.12	.291	20	.67
24*	.12	.10	.12	.14	.21	.11	.04	.09	.15	.09	.10	.11	.11	.12	.14	.15	.16	.17	.19	.21	.16	.17	.17	.16	.136	24	.34
25*	.13	.15	.15	.15	.14	.12	.12	.19				.12	.08	.06	.08	.08	.09	.07	.05	.04	.03	.12	.13	.12	.104	21	.28
26	.11	.10											.48	.56	.53	.67	.69	.41	.25	.24	.25	.25	.21	.22	.354	14	.88
27	.24	.16	.15	.22	.28	.31	.32	.27	.24	.16	.17	.20		.20	.20	.20	.23	.26	.22	.22	.18	.13	.17	.16	.211	23	.38
28	.17	.18	.16	.15	.19	.29	.30	.31	.38				.26	.28	.32	.29	.25	.24	.28	.25	.35	.23	.22	.33	.259	21	.43
29	.38	.36	.30	.34	.35	.35	.36	.39	.40	.40	.41	.36			.35	.31	.39	.31	.29	.31	.35	.27	.23	.22	.337	22	.48
MEAN	.24	.24	.24	.24	.28	.29	.30	.30	.30	.29	.28	.24	.26	.24	.25	.23	.24	.22	.20	.21	.22	.22	.22	.21	.228		
NO	23	23	22	22	23	22	22	22	21	18	18	20	20	20	22	22	23	24	24	24	24	24	24	24		531	
MAX	.86	.73	.72	.63	.47	.41	.62	.64	.57	.66	.66	.46	.71	.56	.56	.67	.69	.41	.31	.35	.36	.33	.34	.33	.436		.99

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-39

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM

CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
MARCH 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1	.22		.30	.42	.42	.42	.34	.48	.58	.48	.34	.37	.68	.42	.42	.40	.27	.21	.15	.19	.17	.29	.26	.23	.350	23	.88
2*	.11	.12	.11	.12	.20	.23	.25	.26	.26	.27	.27	.29	.31	.28	.27	.27	.25	.23	.18	.18	.17	.20	.23	.32	.224	24	.40
3*	.38	.35	.29	.27	.26	.28	.27	.22	.19	.15	.13	.12	.11	.12	.11	.08	.10	.10	.14	.17	.23	.18	.19	.27	.196	24	.46
4	.32	.31	.28	.29	.30	.39	.37	.34	.25	.28	.22	.19	.19	.14	.13	.15	.14	.12	.19	.29	.40	.44	.59	.56	.285	24	.68
5	.52	.58	.60	.49	.53	.58	.44	.39	.58	.26	.37	.29	.27	.24	.25	.22	.22	.33	.29	.17	.15	.16	.14	.13	.340	24	.90
6	.14	.13	.10	.13	.14	.22	.24	.24	.24	.23	.17	.15	.17	.18	.19	.15	.17	.19	.18	.16	.10	.08	.04	.03	.156	24	.30
7	.04	.04	.04	.06	.18	.25	.39	.35	.57	.50	.49	.37	.26	.24			.10	.09	.11	.11	.12	.15	.16	.18	.216	22	.86
8	.29	.25	.30	.33	.29	.32	.44	.44	.31	.27	.21	.15	.13	.07	.12	.17	.16	.07	.08	.06	.08	.12	.31	.35	.221	24	.50
9*	.38	.19	.13	.17	.14	.11	.15	.14	.14	.16	.15	.14	.14	.16	.14	.09	.06	.07	.07	.08	.07	.06	.08	.08	.129	24	.49
10*																											
11																											
12																											
13																											
14																											
15	.28	.34	.46	.53	.51	.55	.61	.57	.31		.42	.39				.08	.19	.14	.17	.24	.27	.27	.30	.47	.355	20	.81
16*	.39	.15	.18	.35	.39	.20	.33	.41	.42	.42		.35	.24	.15	.08	.07	.13	.11	.09	.14	.15	.16	.17	.18	.229	23	.78
17*	.18	.14	.13	.32	.32	.19	.13	.11	.15	.26	.32	.18	.10	.07	.06	.06	.07	.07	.09	.14	.13	.12	.12	.13	.148	24	.52
18	.09	.08	.09	.08	.09	.13	.17	.20	.18	.12	.08						.03	.07	.08	.09	.08	.07	.07	.07	.098	19	.22
19	.07	.07	.13	.07	.07	.09	.08	.11	.12	.11	.11	.28	.19	.16	.18	.13	.16	.09	.09	.30	.20	.19	.11	.03	.130	24	.47
20	.02	.06	.06	.09	.08	.11	.14	.12	.13	.11	.09	.07		.05	.05	.04	.08	.09	.13	.08	.04	.04	.04	.05	.075	23	.21
21	.05	.04	.04	.03	.05	.08	.11	.08	.07	.09	.08	.11	.17		.19	.16	.21	.19	.14	.12	.18	.22	.22	.14	.120	23	.29
22	.14	.15	.18	.20	.24	.30	.34	.35	.31	.25				.13	.16	.17	.20	.17	.14	.17	.18	.19	.19	.20	.208	21	.38
23*	.16	.16	.19	.17	.17	.18	.21	.21	.20	.16	.15	.17	.17	.15	.20	.15	.14	.12	.13	.15	.14	.15	.13	.15	.162	24	.26
24*	.19	.18	.18	.18	.19	.18	.20	.20	.19	.13	.16	.15	.11	.10	.11	.14	.18	.21	.20	.23	.21	.21	.23	.22	.177	24	.27
25	.25	.29	.31	.26	.24	.33	.65	.65	.50	.25	.11	.23	.18	.13	.10	.26	.18	.12	.08	.18	.11	.05	.05	.12	.234	24	.78
26	.14	.06	.12	.10	.21	.29	.18	.35	.44	.60	.76	.32	.12	.01	.02	.04	.03	.06	.12	.15	.08	.15	.13	.16	.193	24	.87
27	.14	.11	.09	.10	.11	.18	.10	.10	.10	.17				.01	.00	.01	.03	.01	.04	.05	.27	.17	.24	.09	.099	21	.36
28	.08	.08	.09	.09	.15	.17	.19	.18	.37	.08	.02	.14	.14	.07	.04	.11	.19	.30	.25	.11	.19	.25	.16	.24	.154	24	.49
29	.30	.08	.08	.24	.12	.08	.16	.14	.11	.03	.00	.01	.00	.01	.01	.01	.01	.01	.01	.00	.01	.07	.04	.19	.071	24	.47
30*	.39	.41	.41	.27	.17	.13	.21	.20	.12	.07	.02	.00	.00	.12	.03	.00	.00	.00	.00	.01	.01	.02	.00	.02	.109	24	1.09
31*	.07	.12	.22	.12	.17	.10	.12	.04	.00	.01	.01	.00	.01	.01	.01	.02	.02	.02	.03	.03	.07	.02	.05	.05	.095	24	.29
MEAN	.20	.18	.20	.21	.22	.23	.26	.26	.26	.22	.20	.19	.18	.13	.12	.12	.13	.12	.12	.14	.15	.15	.16	.18	.182		
NO	26	25	26	26	26	26	26	26	26	25	23	23	21	23	23	24	26	26	26	26	26	26	26	26		603	
MAX	.52	.58	.60	.53	.53	.58	.65	.65	.58	.60	.76	.39	.68	.42	.42	.40	.27	.33	.29	.30	.40	.44	.59	.56	.355		1.09

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-40

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
APRIL 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1	.04		.06	.07	.08	.12	.07	.07	.06	.03	.02	.01	.05	.08	.08	.14	.13	.05	.03	.04	.07	.18	.10	.10	.072	23	.24
2	.10	.10	.11	.09	.13	.22	.24	.16	.12	.13	.09	.05	.03	.03	.05	.06	.06	.05	.06	.07	.08	.06	.05	.08	.091	24	.29
3	.07	.06	.05	.08	.09	.05	.06	.05	.08	.09	.09	.13	.07	.09	.06	.06	.05	.05	.04	.04	.03	.03	.04	.05	.060	24	.16
4	.04	.05	.23	.17	.19	.14	.21	.12	.29	.19			.19	.09	.10	.08	.10	.12	.19	.22	.18	.19	.16	.16	.154	22	.41
5	.11	.16	.17	.18	.21	.21	.20	.16	.14	.11	.10	.12	.11	.07	.08	.06	.04	.03	.04	.04	.06	.07	.10	.34	.120	24	.59
6*	.49	.23	.20	.44	.30	.28	.35	.30	.12	.10	.07	.08	.07	.07	.06	.06	.05	.04	.05	.07	.11	.11	.08	.07	.158	24	.62
7*	.07	.09	.07	.08	.10	.11	.10	.10	.08	.06	.05	.04	.04	.04	.03	.03	.03	.03	.03	.03	.03	.10	.06	.06	.061	24	.14
8	.24	.18	.21	.22	.18	.20	.28	.26	.22	.15	.03	.04	.05	.05	.05	.07	.08	.08	.07	.13	.13	.12	.13	.09	.136	24	.35
9	.03	.01	.06	.09	.09	.18	.19	.12	.08	.04	.00	.02	.02	.03	.06	.03	.02	.04	.06	.10	.15	.10	.09	.19	.074	24	.32
10	.10	.07	.06	.06	.11	.09	.14	.19	.11	.10	.07	.06	.03	.03	.01	.03	.02	.04	.02	.03	.04	.04	.03	.00	.061	24	.26
11	.03	.15	.09	.08	.08	.12	.13	.44	.37	.32	.28	.22	.13	.06	.08	.01	.02	.02	.02	.03	.00	.04	.13	.23	.128	24	.60
12	.27	.37	.34	.29	.29		.45	.37	.28	.18	.25	.27	.25	.31	.31	.26	.42	.23	.14	.00	.00	.00	.00	.08	.232	23	.72
13*	.21	.21	.09	.09	.10	.12	.07	.03	.05	.05	.04	.02	.03	.06	.06	.02	.03	.03	.04	.02	.03	.03	.03	.03	.061	24	.29
14*	.03	.02	.03	.02	.02	.02	.03	.03	.03	.03	.08	.11	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03	.030	24	.30
15	.04	.05	.07	.06	.09	.12	.14	.17	.12	.19	.23			.19			.06	.04	.04	.05	.08	.07	.08	.08	.098	20	.32
16	.07	.07	.07	.08	.07	.11	.11	.10	.08	.06	.05	.04	.03	.03	.03	.03	.05	.08	.20	.11	.07	.05	.06	.07	.071	24	.31
17	.03	.04	.04	.06	.12	.13	.13	.10	.09	.07	.06	.06	.05	.06	.08	.12	.07	.05	.05	.04	.05	.05	.04	.04	.067	24	.17
18	.04	.04	.04	.04	.05	.08	.08	.11	.10	.07	.07	.05	.05	.05	.07	.05	.05	.04	.04	.04	.05	.05	.04	.03	.054	24	.13
19	.03	.03	.03	.03	.04	.05	.07	.09	.08	.09		.05	.07	.10	.09	.09	.07	.08	.04	.04	.03	.02	.02	.02	.054	23	.12
20*	.02	.02	.02	.02	.03	.03	.03	.07	.09	.09	.08	.06	.03	.15	.12	.07	.06	.25	.34	.10	.17	.15	.04	.04	.086	24	.53
21*	.04	.04	.04	.06	.05	.05	.06	.07	.05	.06	.04	.03	.03	.03	.02	.02	.03	.02	.02	.02	.02	.03	.02	.02	.036	24	.08
22																											
23																											
24																											
25																											
26																											
27*																											
28*																											
29											.03	.02	.02	.04	.03	.01	.01	.01	.02	.28	.34	.04	.04	.03	.064	14	.43
30	.02				.03	.17	.23	.17	.06	.06	.03	.01	.01	.02	.01	.02	.02	.01	.01	.01	.01	.01			.048	19	.27
MEAN	.10	.10	.10	.11	.11	.12	.15	.15	.12	.10	.08	.07	.06	.07	.07	.06	.07	.06	.07	.07	.08	.07	.06	.08	.088		
NO	22	20	21	21	22	21	22	22	22	22	21	21	22	23	22	22	23	23	23	23	23	23	22	22		528	
MAX	.49	.37	.34	.44	.30	.28	.45	.44	.37	.32	.28	.27	.25	.31	.31	.26	.42	.25	.34	.28	.34	.19	.16	.34	.232		.72

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-41

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
MAY 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1					.01	.03	.05	.05	.04	.03						.02	.02	.02	.02	.03	.02	.02	.01	.02	.025	15	.07
2			.01	.02	.11	.50	.30	.13	.12	.19	.07	.09	.11	.12	.20	.39	.19	.17	.25	.18	.09	.03	.02	.02	.149	22	.65
3																											
4*																											
5*																											
6		.05	.17	.15	.14	.32	.17	.06	.01	.00	.00	.01			.01	.02	.02	.01	.00	.00					.066	17	.39
7				.01	.04	.04	.11	.11	.06	.05	.03	.01	.02	.01	.02	.01	.01	.02	.02	.10	.10	.01	.02	.01	.038	21	.15
8	.02	.02	.01	.01	.15	.17	.11	.14	.08	.18						.04	.06	.08	.01	.07	.18	.11	.02	.04	.079	19	.35
9	.10	.10	.05	.01	.01	.01	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.01	.02	.018	24	.25
10	.00	.01	.01	.02	.01	.01	.01	.01	.01	.00	.01	.01	.01	.02	.01	.01	.01	.00	.01	.01	.00	.00	.00	.00	.009	24	.07
11*	.00	.00	.00	.01	.01	.01	.01	.01	.02	.01	.01	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.02	.01	.010	24	.03
12*	.01	.01	.00	.00	.00	.00	.01	.01	.01	.02	.01	.03	.07	.05	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.014	24	.10
13	.03	.03	.02	.04	.02	.01	.01	.01	.01	.02	.01	.02					.01	.01	.01	.00	.00	.00	.00	.00	.013	20	.08
14		.00	.01	.01	.06	.01	.01	.01	.03	.14	.19	.19	.09	.17	.12	.24	.11	.08	.08	.16	.10	.05	.12	.12	.091	23	.40
15	.08	.04	.09	.09	.07	.17	.09	.16	.02	.01	.03	.01	.03	.06	.02	.00	.03	.02	.01	.09	.07	.03	.01	.00	.050	24	.29
16	.01	.01	.01	.01	.01	.01	.00	.00	.01		.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.009	23	.04
17	.01	.01	.01	.01	.01	.03	.06	.07	.01	.02	.03	.02	.03	.02	.02	.01	.02	.02	.01	.01	.07	.08	.11	.14	.035	24	.19
18*	.09	.09	.06	.01	.03	.03	.07	.05	.01	.01	.02	.01	.01	.01	.01	.02	.01	.01	.01	.06	.03	.01	.01	.03	.029	24	.18
19*	.06	.12	.20	.13	.08	.11	.14	.07	.00	.00	.01	.01	.00	.01	.01	.01	.00	.01	.01		.01			.02	.048	21	.23
20	.02	.02	.03	.03	.06		.15	.12	.09	.05	.01	.01	.02	.02	.03	.06	.05	.07	.08	.09	.09	.10	.11	.07	.059	23	.18
21	.07	.07	.08	.08	.15	.24	.21	.10	.04	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.03	.02	.07	.16	.15	.071	24	.29
22	.18	.17	.23	.16	.17	.30	.26	.61	.27			.02	.05	.02	.02	.02	.02	.03	.03	.09	.05	.10	.06	.09	.133	22	1.11
23	.05	.04	.02	.01	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.02	.019	24	.09
24	.01	.01	.01	.01	.01	.02	.03	.04	.04	.03	.03	.02	.02	.03	.02	.04	.04	.03	.03	.04	.05	.05	.03	.01	.027	24	.07
25*	.01	.01	.00	.01	.02	.01	.01	.03	.03	.02	.01	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.012	24	.05
26*	.01	.01	.00	.01	.01	.01	.01	.01	.01	.02	.01	.02	.03	.02	.02	.02	.02	.02	.02	.01	.03	.02	.02	.02	.015	24	.08
27	.01	.03	.06	.07	.08	.13	.12	.14	.26	.25	.22	.13	.29	.17	.18	.28	.15	.36	.48	.16	.09	.13	.12	.08	.165	24	.58
28	.02	.02	.01	.01	.03	.05	.10	.07	.08	.06	.03	.01	.02	.01	.02	.02	.06	.04	.03	.01	.02	.06	.01	.02	.033	24	.12
29	.01	.05	.07	.08	.02	.07	.02	.02	.02				.04		.04	.01	.03	.02		.02	.02	.01	.01	.01	.029	19	.13
30	.01	.01	.01	.01	.01	.01	.02	.05	.02	.04	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01	.03	.12	.09	.023	24	.17
31	.06	.05	.03	.07	.06	.09	.14	.12	.02	.02	.02	.02			.03	.03	.03		.01	.02	.01		.02	.02	.043	20	.19
MEAN	.04	.04	.05	.04	.05	.09	.08	.08	.05	.05	.03	.03	.04	.04	.04	.05	.03	.04	.04	.05	.04	.04	.04	.04	.046		
NO	23	25	26	27	28	27	28	28	28	25	24	25	23	22	25	27	28	27	27	27	27	25	26	27		625	
MAX	.18	.17	.23	.16	.17	.50	.30	.61	.27	.25	.22	.19	.29	.17	.20	.39	.19	.36	.48	.18	.18	.13	.16	.15	.165		1.11

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-42

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM

CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
JUNE 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1*	.04	.04	.03	.02	.01	.02	.02	.01	.02	.03	.05	.06	.03	.02	.01	.02	.01	.01	.01	.01			.02	.03	.023	22	.09
2*	.03	.02		.01	.01	.01	.01	.02	.01	.01								.01	.01	.01	.01	.01			.012	14	.03
3	.01	.04	.07	.12	.19	.26	.29	.10	.04	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.01	.052	24	.38
4	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.00	.01	.02	.02	.00	.01	.00	.00	.00	.01	.01	.01	.10	.10	.016	24	.18
5	.03	.04	.06	.05	.04	.12	.12	.10	.09	.06	.07	.12	.03	.04	.03	.02	.01	.01	.01	.02	.02	.02	.02	.02	.049	24	.29
6	.03	.04	.04	.03	.04	.04	.11	.32	.22	.16			.09	.08	.04	.03	.04	.04	.02	.02	.02	.05	.07	.07	.073	22	.48
7	.08	.10	.08	.11	.12	.15	.26	.17	.04	.03	.03	.04	.04	.05	.05	.05	.04	.03	.03	.03	.03	.02	.02	.03	.067	24	.35
8*	.07	.09	.14	.08	.07	.06	.06	.12	.12	.05	.04	.04	.03	.03	.04	.03	.02	.02	.02	.02	.02	.02	.02	.02	.051	24	.30
9*	.03	.08	.13	.13	.11	.08	.06	.03	.03	.02	.03	.04	.04	.03	.03	.03	.03	.02	.03	.03	.05	.02	.01	.01	.045	24	.16
10	.01	.01			.01	.03	.04	.03	.02	.02	.04	.03	.04	.03	.03	.03	.03	.03	.02	.02	.04	.06	.08	.08	.032	22	.13
11	.01	.02	.03	.01	.01	.05	.09	.11	.05	.03	.10	.03	.02	.01	.01	.01	.01					.01	.01	.01	.030	20	.41
12	.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.01	.01	.02	.01	.01	.01		.01	.01	.01	.00	.012	23	.03
13	.01				.01	.01	.01	.01	.01	.01			.00	.00	.00	.01	.01	.01	.02	.01	.01	.05	.03	.02	.012	19	.07
14	.03	.04	.03	.04	.04	.04	.07	.24	.14	.07	.06	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.02	.040	24	.43
15*	.01	.00	.00	.02	.02	.03	.02	.02	.01	.01	.03	.01	.01	.01	.01	.01	.01				.01	.00	.01	.00	.011	21	.21
16*								.01	.01	.01	.02	.02	.01	.02	.02	.02	.01	.02	.02	.01	.01	.01	.00		.013	16	.07
17	.01				.00	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.02	.02	.01	.011	21	.04
18	.06	.03	.03	.01	.00	.03	.01	.02	.02	.02	.05	.05	.03	.03	.07	.06	.08	.05	.07	.03	.05	.03	.02	.03	.036	24	.16
19	.03	.02	.02	.02	.04	.03	.04	.03	.02	.03	.02	.01	.02	.01	.03	.02	.02	.01	.01	.01	.01	.01	.01	.01	.020	24	.25
20	.01	.02	.03	.07	.10	.09	.01	.03	.01	.01			.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.04	.04	.024	22	.18
21	.02	.03	.02	.02	.04	.07	.03	.03	.06	.05	.03	.06	.04	.02	.05	.03	.08	.03	.03	.04	.04	.04	.03	.01	.036	24	.25
22*	.00	.00				.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.00	.01		.01	.03		.010	19	.08
23*	.00	.00		.03	.05	.04	.04	.03	.03	.03	.02	.01	.03	.03	.05	.02			.02	.05	.07	.07	.01	.00	.029	21	.19
24			.01	.06	.10	.12	.18	.04	.04	.04	.03	.03	.02	.02	.02	.01	.01	.01	.01	.01	.03	.05	.04	.02	.040	22	.39
25	.02	.01	.02	.01	.01	.01	.04	.01	.01	.01	.00	.00	.01	.01	.03	.01	.01	.01	.01	.01	.01	.01	.01		.012	23	.05
26						.01			.02	.03	.06	.07	.06	.03	.01	.01	.01	.03	.04	.04	.07	.07	.03	.03	.036	17	.14
27	.02	.02	.01	.01	.01	.01	.01	.02	.01	.02				.04	.05	.04	.03	.02	.01	.01	.01	.01	.01	.01	.018	21	.08
28																											
29*																											
30*																											
MEAN	.02	.03	.04	.04	.04	.05	.06	.06	.04	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.031		
NO	24	22	19	21	24	26	25	26	27	27	22	22	25	26	26	26	25	24	25	24	24	26	26	23		585	
MAX	.08	.10	.14	.13	.19	.26	.29	.32	.22	.16	.10	.12	.09	.08	.07	.06	.08	.05	.07	.05	.07	.07	.10	.10	.073		.48

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-43

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
JULY 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1																											
2																											
3																											
4	.03	.03	.03	.06	.05	.09	.13	.11	.02	.03	.06	.02	.04	.04	.03	.03	.03	.01	.03	.03	.08	.09	.04	.03	.047	24	.17
5	.10	.14	.04	.01	.03	.04	.11	.11	.02	.02	.01	.01	.02	.00			.00	.00		.00					.038	17	.16
6*																											
7*		.03	.03	.02	.04	.05	.04	.07	.09	.01	.00		.04	.01	.01	.02	.01	.00	.01	.02	.07	.04	.07	.08	.034	22	.16
8	.07	.04	.04	.04	.04	.05	.11	.15	.06	.08	.08	.14	.08	.04	.11	.03	.01	.01	.01	.08	.18	.16	.02	.01	.068	24	.34
9																											
10																											
11	.05	.05	.05	.05	.05	.06	.07	.07	.07	.07		.12	.11	.10	.10	.10	.10	.10	.10	.10	.10	.09	.09	.10	.083	23	.14
12	.09	.09	.10	.10	.11	.12	.11	.13				.09	.04	.04	.04	.03	.03	.03	.03	.03	.03	.04	.04	.04	.064	21	.15
13*	.03	.03	.04	.05	.07	.06	.08	.08	.06	.06	.05	.04	.06	.07	.04	.04	.05	.04	.03	.04	.04	.05	.05	.04	.050	24	.22
14*	.04	.03	.04	.04	.04	.04	.06	.10	.12	.10	.14	.06	.08	.05	.06	.05	.03	.06	.11	.10	.06	.07	.13	.05	.068	24	.30
15	.06	.11	.10	.05	.08	.11	.14	.26	.24	.20	.16	.07			.02	.06	.04	.06	.06	.12	.07	.13	.11	.10	.106	22	.32
16	.14	.16	.16	.20	.17	.16	.21	.27	.37	.27	.13		.06	.04	.04	.09	.09	.06	.10	.05	.05	.05	.06	.05	.129	23	.59
17	.04	.04	.04	.05	.06	.12	.20	.15	.13	.09	.04	.04	.04	.04	.03	.04	.05	.04	.04	.04	.04	.09	.04	.03	.062	24	.31
18	.04	.05	.04	.05	.09	.10	.13	.15	.17			.03	.03	.02	.01	.01	.01	.01	.01	.01	.02	.02	.01	.01	.045	22	.35
19	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.00		.07	.07	.07	.07	.07	.07	.07	.07	.07	.032	23	.07
20*	.06	.06	.06	.06	.06	.07	.06	.06	.06	.06	.06	.06	.06	.05	.05	.05	.05	.05	.05	.05	.05	.05	.06	.06	.057	24	.10
21*	.11	.18	.11	.10	.08	.07	.07	.07	.06	.06	.05	.08	.08	.07	.06	.05	.15	.09	.09	.08	.09	.08	.08	.08	.084	24	.71
22	.11	.12	.13	.07	.05	.05	.05	.05	.05	.05	.05	.05	.04	.04	.04	.04	.04	.04	.03	.03	.03	.04	.04	.03	.053	24	.16
23	.03	.03	.03	.03	.04	.04	.04	.04	.05	.03	.05	.05	.04	.04	.04	.03	.15	.07	.04	.03	.03	.03	.03	.03	.042	24	.20
24	.03	.04	.04	.04	.04	.05	.05	.05	.05	.04	.04	.04	.03	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.028	24	.06
25	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.01		.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.03	.04	.022	23	.08
26	.04	.04	.04	.05	.04	.06	.06	.07	.08	.12	.13			.01	.01	.01	.01	.01	.01	.01	.05	.02	.04	.05	.044	22	.17
27*	.06	.08	.04	.03	.03	.04	.06	.09	.11	.02	.01	.01	.02	.03	.01	.01	.01	.01	.01	.01	.03	.02	.01	.01	.031	24	.17
28*	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.02	.03	.02	.02	.012	24	.04
29	.04	.04	.05	.07	.08	.10	.06	.02	.02			.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.03	.02	.06	.033	22	.13
30	.21	.23	.09	.05	.04	.03	.03	.04	.03	.03	.03	.02	.01	.01	.01	.02	.01	.01	.01	.02	.02	.03	.03	.03	.042	24	.37
31	.03	.03	.02	.01	.02	.02	.03	.04	.04	.09	.09	.03	.02	.02	.02	.02	.01	.01	.01	.02	.02	.03	.03	.03	.027	24	.18
MEAN	.06	.07	.05	.05	.05	.06	.08	.09	.08	.07	.06	.05	.04	.03	.04	.04	.04	.03	.04	.04	.05	.05	.05	.04	.052		
NO	24	25	25	25	25	25	25	25	24	22	21	21	23	24	23	24	25	25	24	25	24	24	24	24		576	
MAX	.21	.23	.16	.20	.17	.16	.21	.27	.37	.27	.16	.14	.11	.10	.11	.10	.15	.10	.11	.12	.18	.16	.13	.10	.129		.71

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-44

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

CHICAGO, ILL.

SULFUR DIOXIDE
AUG. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1	.02	.02	.01	.01	.01	.02	.02	.03	.03	.01	.01	.03	.01	.01	.01	.01	.02	.02	.01	.01	.01	.01	.01	.02	.015	24	.06
2	.04	.07	.09	.09	.07	.05	.06	.13	.16	.07		.14	.11	.09	.09	.10	.06	.03	.03	.02	.02	.03	.02	.05	.070	23	.23
3*	.11	.11	.09	.11	.08	.06	.09	.09	.05	.05	.05	.05	.07	.04	.03	.03	.02	.02	.01	.02	.01	.02	.03	.03	.053	24	.13
4*	.09	.09	.08	.10	.10	.13	.12	.11	.09	.09	.06	.07	.10	.10	.06	.05	.05	.06	.04	.03	.03	.03	.05	.04	.069	24	.18
5	.04	.02	.02	.03	.09	.13	.07	.08		.08	.07	.08	.07				.04	.06	.00	.00	.00	.00	.00	.01	.042	20	.16
6	.03	.06	.05	.00	.00	.00	.00	.00	.00	.00	.00	.12	.07	.06	.21	.02	.00	.00	.01				.01	.08	.033	21	.76
7	.07	.02	.00	.00	.00	.00	.01	.01	.01	.02	.01	.01	.01	.03	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.008	24	.09
8	.00	.00	.00	.00	.01	.06	.10	.13	.23		.10	.08	.03	.00	.00	.01	.01	.05	.06	.02	.02	.03	.03	.03	.043	23	.26
9	.03	.04	.04	.05	.13	.21	.25	.17	.26		.09	.09	.12	.09	.05	.05	.06	.06	.07	.04	.04	.03	.01	.01	.086	23	.50
10*	.01	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.01	.007	24	.05
11*	.01	.02	.04	.04	.02	.03	.04	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.05	.17	.023	24	.20
12	.07	.04	.04	.05	.07	.06	.09	.25		.06	.02	.03	.03	.02	.03	.06	.03	.03	.02	.01	.02	.02	.02	.01	.047	23	.41
13	.11	.16	.11	.14	.12	.03	.04	.07	.05	.04	.04	.02	.06	.03	.02	.02	.01	.02	.02	.02	.02	.05	.09	.14	.058	24	.25
14	.13	.03	.04	.03	.04	.03	.02	.02		.01	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.01	.01	.01	.01	.019	23	.25
15	.00	.00	.00	.00	.01	.01	.02	.01	.01	.02	.02	.02	.02	.03	.02	.02	.02	.01	.01	.01	.02	.02	.06	.09	.019	24	.10
16	.08	.05	.07	.09	.13	.11	.10	.12	.18	.20	.16	.13	.08	.02			.06	.04	.04	.02	.03	.02	.01	.02	.079	22	.36
17*	.01	.03	.04	.06	.07	.05	.03	.04	.04	.03	.02	.03	.01	.01	.01	.01	.01	.00	.00	.00	.00	.00	.00	.00	.020	24	.09
18*	.00	.00	.00	.00	.00	.01	.01	.01	.02	.01	.01	.00	.00	.00	.01	.01	.01	.00	.00	.00	.01	.03	.02	.01	.007	24	.04
19	.06	.08	.04	.02	.02	.0[illegible]	.09	.10	.13	.15	.09	.10	.17	.13	.09	.03	.04	.02	.02	.07	.02	.05	.23	.07	.078	24	.33
20	.04	.05	.09	.08	.01	.0[illegible]	.11	.06	.03	.02	.02	.02	.02	.01	.02	.03	.02	.06	.06	.10	.06	.06	.06	.07	.046	24	.17
21	.11	.12	.13	.12	.11	.17	.25	.15		.07	.03	.02	.08	.08	.10	.14	.05	.20	.06	.09	.17	.25	.11	.06	.115	23	.57
22	.08	.09	.09	.11	.09	.11	.14	.31	.13	.04	.03	.07	.08	.11	.11	.14	.18	.09	.22	.07	.05	.08	.09	.08	.108	24	.43
23	.14	.14	.20	.22	.20	.15	.19	.25	.25	.36	.13	.09	.08	.07	.03	.03	.09	.06	.10	.14	.17	.09	.21	.15	.147	24	.49
24*	.06	.09	.08	.08	.10	.10	.06	.10	.11	.03	.01	.06	.05	.02	.03	.03	.01	.00	.00	.01	.62	.36	.07	.05	.088	24	1.09
25*	.04	.04	.03	.03	.04	.05	.05	.05	.05	.05	.05	.05	.05	.07	.06	.07	.07	.07	.07	.08	.10	.08	.07	.08	.057	24	.11
26	.06	.05	.04	.01	.00	.00	.01	.00						.01	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.014	19	.08
27	.01	.01	.04	.02	.00	.01	.01	.02	.02	.02	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.012	24	.05
28	.01	.01	.02	.06	.07	.07	.08	.07	.05	.06	.06	.06	.06	.06		.02	.02	.02	.03	.02	.02	.02	.02	.02	.039	23	.08
29	.01	.01	.01	.01	.15	.17	.17	.16		.34	.17	.05	.04	.02	.02	.02	.02	.02	.02	.02	.01	.01	.01	.02	.065	23	.44
30	.02	.01	.03	.31	.47	.36	.21	.33	.45	.23	.05	.03	.03	.03			.01	.01	.01	.00	.00	.00	.00	.01	.117	22	.49
31*	.08	.18	.05	.03	.04	.09	.05	.17	.30	.23	.13	.09	.05	.02	.01	.01	.02	.02	.03	.02					.080	20	.41
MEAN	.05	.05	.05	.06	.07	.08	.08	.10	.11	.08	.05	.05	.05	.04	.04	.03	.03	.03	.03	.03	.05	.05	.04	.04	.054		
NO	31	31	31	31	31	31	31	31	25	28	29	30	30	30	27	28	31	31	31	30	29	29	30	30		716	
MAX	.14	.18	.20	.31	.47	.36	.25	.33	.45	.36	.17	.14	.17	.13	.21	.14	.18	.20	.22	.14	.62	.36	.23	.17	.147		1.09

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-45

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM

CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
SEPT. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1*																											
2																											
3																											
4																											
5	.00	.00	.00	.00	.00	.01	.01	.05	.02	.01	.02	.01	.01	.00	.00	.00	.00	.00	.00	.02	.02	.01	.01	.01	.009	24	.07
6	.01	.01	.01	.01	.02	.08	.11	.08	.09	.06	.04	.04	.02	.00	.00	.01	.00	.00	.01	.01	.02	.02	.04	.04	.030	24	.14
7*	.03	.03	.02	.02	.04	.03	.03	.02	.02	.02	.01	.01	.01	.00	.00	.00	.01	.00	.01	.01	.01	.01	.02	.02	.016	24	.06
8*	.02	.03	.02	.00	.01	.02	.02	.02	.01	.01	.00	.01	.01	.00	.00	.00	.00	.01	.01	.02	.05	.05	.03	.01	.014	24	.08
9	.01	.03	.02	.04	.02	.02	.12	.09	.19	.10	.08	.11	.06	.07	.04	.01	.01	.01	.01	.01	.01	.01	.01	.01	.044	24	.27
10	.01	.01	.02	.02	.04	.02	.03	.04	.04	.04	.04	.04	.03	.04	.03	.02	.02	.02	.03	.03	.02	.03	.02	.01	.026	24	.05
11	.01	.01	.02	.03	.04	.05	.07	.08	.05	.04	.04	.02	.02	.03	.01	.02	.02	.01	.01	.01	.01	.02	.04	.07	.029	24	.11
12	.05	.05	.08	.09	.10	.08	.10	.09	.06	.04	.03	.02	.03	.03	.04	.04	.04	.04	.05	.07	.11	.08	.11	.07	.061	24	.16
13	.07	.09	.07	.12	.20	.26	.14	.20	.16	.21	.13	.13	.13	.14	.11	.10	.08	.05	.04	.06	.09	.08	.11	.09	.118	24	.40
14*	.10	.08	.08	.09	.10	.12	.18	.26	.20	.30	.12	.11	.07	.06	.04	.03	.03	.03	.04	.04	.05	.05	.05	.05	.094	24	.50
15*	.05	.06	.06	.05	.06	.06	.07	.09	.08	.08	.08	.04	.04	.03	.03	.04	.03	.04	.07	.13	.09	.07	.10	.08	.063	24	.15
16	.07	.06	.08	.16	.15	.13	.07	.06	.06				.04	.06	.04	.04	.08	.08	.13	.10	.05	.04	.04	.04	.075	21	.20
17	.07	.10	.15	.15	.13	.10	.16	.14	.05		.09	.06	.05	.07	.06	.03	.03	.07	.06	.10	.07	.03	.00	.00	.076	23	.22
18	.02	.06	.10	.06	.04	.02	.03	.05	.02	.02	.01	.00	.00	.02	.02	.01	.02	.01	.02	.02	.01	.04	.04	.03	.026	24	.18
19	.03	.02	.03	.02	.04	.19	.27	.11	.03	.02	.01	.07	.10	.12	.07	.10	.10	.02	.02	.02	.02	.04	.03	.03	.062	24	.38
20	.04	.05	.08	.13	.14	.09	.16	.23	.24	.26	.22	.09		.11	.12	.10	.09	.04	.06	.06	.04	.03	.03	.02	.105	23	.43
21*	.02	.03	.07	.09	.15	.13	.07	.10	.24	.09	.06	.04	.03	.02	.03	.03	.02	.02	.04	.06	.07	.06	.05	.05	.065	24	.47
22*	.05	.04	.04	.06	.04	.02	.02	.02	.03	.07	.13	.17	.14	.10	.09	.08	.07	.08	.07	.05	.05	.04	.04	.09	.065	24	.20
23	.07	.11	.13	.11	.10	.11	.10	.14	.11	.10	.09					.10	.16	.13	.16	.07	.13	.10	.13	.12	.112	20	.31
24	.16	.20	.16	.12	.13	.13	.14	.04	.04	.04	.04	.09	.15	.06	.05	.10	.09	.10	.11	.11	.05	.04	.03	.02	.092	24	.28
25	.02	.04	.04	.04	.04	.06	.06	.09	.04	.03	.02	.02	.02	.02	.02	.02	.02	.02	.02	.05	.08	.09	.09	.07	.041	24	.12
26	.11	.09	.08	.09	.07	.09	.18	.13	.07	.06	.06	.04	.04	.04	.03	.03	.03	.03	.02	.02	.03	.08	.08	.14	.068	24	.20
27	.13	.13	.17	.26	.28	.27	.20	.13	.08	.07	.04	.04	.05		.02	.03	.03	.02	.03	.03	.03	.03	.02	.02	.091	23	.33
28*	.02	.02	.02	.02	.02	.06	.15	.13	.05	.03	.04	.03	.02	.02	.02	.02	.03	.02	.02	.02	.03	.05	.10	.11	.043	24	.17
29*	.14	.13	.13	.14	.11	.07	.06	.08	.05	.06	.06	.04	.04	.03	.03	.02	.02	.03	.04	.05	.06	.05	.06	.06	.065	24	.17
30	.06	.06	.05	.04	.04	.07	.10	.11	.07	.12	.18	.18	.16	.15	.12	.06	.09	.09	.13	.11	.11	.12	.12	.17	.104	24	.28
MEAN	.05	.06	.07	.08	.08	.09	.10	.10	.08	.08	.07	.06	.05	.05	.04	.04	.04	.04	.05	.05	.05	.05	.05	.05	.061		
NO	26	26	26	26	26	26	26	26	26	24	25	24	24	24	25	26	26	26	26	26	26	26	26	26		614	
MAX	.16	.20	.17	.26	.28	.27	.27	.26	.24	.30	.22	.18	.16	.15	.12	.10	.16	.13	.16	.13	.13	.12	.13	.17	.118		.50

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-46

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
OCT. 1968

DAY OF MONTH	AM												PM												DAILY MEAN	NO OF HRS	5-MIN MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1	.12	.11	.13	.12	.14	.13	.14	.24	.24	.47	.28	.08	.11	.13	.17	.17	.07	.03	.03	.04	.05	.15	.06	.03	.134	24	.61
2	.03	.04	.04	.04	.04	.05	.14	.12	.21	.32	.11	.23	.15	.12	.17	.21	.08	.12	.35	.12	.06	.04	.03	.02	.117	24	.46
3	.02	.02	.02	.02	.03	.04	.05	.06	.04	.04	.03	.03	.03	.04	.03	.03	.03	.03	.03	.03	.04	.04	.05	.03	.032	24	.07
4	.04	.04	.05	.05	.07	.09	.13	.14	.11	.07		.04	.05	.05	.04	.04	.04	.04	.06	.07	.09	.06	.14	.13	.070	23	.17
5*	.18	.20	.18	.10	.10	.15	.18	.16	.12	.05	.04	.04	.04	.04	.06	.05	.04	.07	.10	.09	.16	.12	.14	.07	.102	24	.28
6*	.10	.07	.06	.06	.08	.06	.07	.07	.06	.06	.05	.04	.05	.04	.07	.06	.05	.06	.07	.06	.07	.06	.05	.05	.060	24	.16
7	.06	.07	.06	.07	.11	.20	.16	.17	.08	.07	.08	.12	.12	.10			.07	.06	.06	.08	.31	.21	.09	.08	.109	22	.43
8	.06	.07	.07	.07	.12	.21	.25	.32	.20	.17	.12	.10	.13	.11	.06	.05	.05	.06	.05	.04	.04	.04	.05	.07	.104	24	.42
9	.16	.28	.15	.14	.17	.20	.16	.15	.15	.11	.08	.07	.07	.06	.06	.08	.27	.10	.06	.06	.05	.05	.05	.05	.115	24	.33
10	.07	.05	.06	.08	.10	.16	.20	.22	.14	.12	.07	.06	.06	.06	.06	.07	.09	.10	.08	.10	.13	.10	.14	.18	.104	24	.28
11	.16	.10	.17	.14	.27	.31	.25	.24	.18	.14		.06	.05	.06	.05	.04	.08	.07	.06	.11	.10	.15	.13	.11	.131	23	.36
12*	.08	.10	.12	.14	.15	.10	.18	.26	.29	.26	.11	.15	.15	.06	.04	.05	.04	.06	.10	.15	.19	.14	.09	.08	.127	24	.40
13*	.07	.07	.07	.06	.07	.10	.09	.10	.07	.07	.05	.03	.03	.03	.03	.03	.03	.04	.04	.05	.05	.05	.06	.06	.056	24	.13
14	.06	.06	.06	.06	.06	.07	.07	.11	.11	.05				.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.02	.047	21	.19
15	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.024	24	.08
16	.03	.03	.03	.02	.03	.03	.03	.03	.03	.03	.02	.02	.02	.02	.02		.02	.02	.05	.03	.03	.02	.04	.04	.027	23	.06
17	.03	.03	.03	.02	.03	.04	.04	.04	.02	.02	.02	.02	.02	.02	.02	.02	.07	.12	.15	.08	.10	.08	.05	.06	.046	24	.34
18	.06	.06	.06	.05	.07	.08	.19	.27	.25	.14	.08	.18	.09	.11	.24	.22	.23	.11	.17	.13	.16	.09	.13	.14	.137	24	.50
19*	.12	.08	.08	.08	.09	.12	.19	.28	.16	.08	.05	.03	.04	.03	.03	.03	.04	.06	.07	.06	.06	.06	.07	.06	.082	24	.32
20*	.06	.05	.06	.06	.06	.07	.12	.14	.07	.04	.03	.03	.03	.03	.03	.03	.03	.05	.08	.10	.10	.14	.10	.10	.067	24	.18
21	.18	.15	.25	.24	.33	.22	.32	.41	.24	.13	.10	.06	.04	.05	.04	.04	.05	.06	.06	.05	.05	.06	.06	.05	.133	24	.53
22	.08	.15	.07	.06	.07	.12	.24	.11	.07	.04	.04	.04	.05	.05	.04	.04	.05	.05	.05	.06	.10	.10	.07	.06	.074	24	.36
23	.06	.05	.07	.08	.11	.18	.22	.21	.21	.20	.28	.08	.06	.19	.18	.11	.09	.07	.06	.19	.12	.09	.08	.10	.129	24	.45
24	.16	.12	.10	.10	.10	.13	.12	.08	.08	.07	.11	.12	.10	.13	.16	.16	.17	.15	.15	.17	.20	.16	.15	.15	.130	24	.22
25	.16	.16	.15	.18	.24	.32	.35	.37	.32	.27			.14	.14	.10	.10	.13	.18	.12	.14	.11	.10	.12	.14	.183	22	.40
26*	.21	.10	.07	.12	.17	.30	.33	.32	.23	.20	.15	.15	.27	.14	.06	.07	.10	.12	.11	.15	.13	.11	.10	.10	.159	24	.39
27*	.08	.05	.06	.05	.06	.07	.05	.07	.06	.08	.05	.07	.05	.06	.07	.06	.06	.07	.08	.06	.08	.10	.09	.09	.066	24	.12
28	.10	.07	.06	.06	.08	.12	.23	.26	.27	.25	.23					.24	.24	.21	.13	.12	.11	.08	.09	.09	.151	20	.30
29	.11	.11	.10	.11	.14	.15	.23	.23	.22	.20	.16	.13	.13	.10	.08	.11	.11	.07	.08	.12	.16	.10	.07	.05	.127	24	.26
30	.04	.03	.09	.23	.24	.30	.50	.59	.39	.28	.18	.10	.05	.04	.03	.04	.04	.03	.05	.05	.07	.10	.09	.11	.151	24	.73
31	.19	.29	.29	.33	.14	.12	.18	.18	.17	.12	.13	.10	.08	.07	.05	.05	.08	.10	.10	.08	.07	.26	.17	.07	.141	24	.45
MEAN	.09	.09	.09	.09	.11	.14	.17	.19	.16	.13	.10	.08	.08	.07	.07	.08	.08	.08	.08	.08	.10	.09	.08	.08	.101		
NO	31	31	31	31	31	31	31	31	31	31	27	28	29	30	29	29	31	31	31	31	31	31	31	31		730	
MAX	.21	.29	.29	.33	.33	.32	.50	.59	.39	.47	.28	.23	.27	.19	.24	.24	.27	.21	.35	.19	.31	.26	.17	.18	.183		.73

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-47

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

SULFUR DIOXIDE
NOV. 1968

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

DAY OF MONTH	A M												P M												DAILY MEAN	NO OF HRS	5-MIN MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1	.10	.09	.06	.07	.08	.08	.09	.11	.10			.08	.06	.06	.06	.05	.07	.07	.09	.08	.06	.05	.11	.12	.078	22	.17
2*	.06	.06	.06	.05	.08	.08	.10	.12	.11	.10	.08	.04	.04	.03	.04	.03	.04	.05	.03	.04	.04	.04	.05	.05	.058	24	.16
3*	.06	.06	.06	.06	.03	.03	.03	.02	.02	.03	.04	.03	.04	.03	.03	.03	.03	.04	.03	.03	.02	.02	.02	.02	.032	24	.09
4	.03	.02	.02	.02	.05	.07	.07	.10	.11	.07	.05	.06	.07	.08	.06	.05	.05	.05	.05	.05	.06	.05	.04	.04	.055	24	.15
5	.05	.04	.05	.08	.09	.12	.15	.16	.15	.11	.08	.07	.06	.05	.06	.04	.05	.05	.04	.03	.03	.03	.03	.03	.067	24	.18
6	.03	.03	.06	.02	.02	.06	.05	.07	.09	.07	.05	.06	.04	.04	.08	.07	.05	.03	.03	.03	.02	.03	.03	.03	.045	24	.11
7	.02	.04	.05	.06	.06	.07	.07	.06	.07	.07	.08	.07	.07	.06		.06	.06	.07	.12	.18	.16	.18	.18	.17	.087	23	.21
8	.13	.10	.10	.11	.12	.22	.27	.23	.22	.23	.13	.13	.11	.11	.15	.09	.12	.11	.10	.10	.11	.11	.13	.14	.139	24	.30
9*	.12	.12	.11	.12	.17	.20	.28	.32	.37	.25	.19	.17	.14	.07	.08	.11	.11	.08	.08	.10	.10	.14	.18	.18	.156	24	.42
10*	.19	.17	.14	.17	.16	.24	.29	.29	.23	.20	.15	.13	.09	.06	.05	.04	.05	.05	.17	.20	.16	.17	.20	.19	.157	24	.32
11	.17	.18	.18	.19	.19	.22	.16	.20	.17	.22	.30	.27	.26	.21	.23	.28	.28	.25	.23	.21	.26	.26	.23	.20	.222	24	.39
12	.21	.23	.22	.23	.26	.31	.38	.40	.42	.44	.36	.30	.30	.26	.23	.18	.21	.25	.14	.15	.30	.25	.20	.18	.266	24	.48
13	.14	.16	.16	.14	.19	.20			.38	.42	.48	.46	.44	.15	.12	.11	.11	.16	.18	.14	.16	.19	.17	.19	.218	22	.76
14	.19	.19	.27	.28	.34	.32	.39	.34	.41		.61	.85	.30	.20	.20	.13	.10	.10	.11	.11	.11	.11	.07	.06	.251	23	.99
15	.04	.03	.02	.04	.04	.15	.13	.13	.11	.14	.12	.10	.09	.08	.06			.05	.05	.06	.05	.04	.04	.04	.072	22	.21
16*																											
17*												.15	.14	.12	.16	.14	.13	.18	.12	.14	.20	.23	.16	.12	.153	13	.27
18												.12	.15	.15	.14	.14	.14	.13	.12	.11	.19	.25	.15	.14	.158	23	.32
19	.15	.16	.12	.12	.17	.20	.22	.19	.20	.17		.15	.16	.17	.14	.17	.17	.37	.32	.30	.27	.28	.43	.47	.208	24	.60
20	.10	.10	.12	.12	.12	.17	.18	.17	.21	.15	.17																
21	.31	.34	.27	.29	.33	.41	.52	.45	.31	.32	.51	.36	.16	.18	.17	.18	.19	.16	.11	.09	.09	.10	.11	.13	.253	24	.69
22	.12	.11	.13	.17	.19	.21	.25	.28	.27			.45	.62	.17	.25	.19	.12	.12	.10	.09	.08	.07	.09	.10	.189	22	.76
23*	.08	.08	.12	.10	.11	.13	.16	.33	.36	.18	.19	.17	.16	.15	.22	.13	.14	.11	.10	.07	.08	.07	.06	.06	.139	24	.42
24*	.06	.05	.08	.07	.06	.08	.10	.12	.12	.10	.12	.13	.13	.06	.07	.08	.10	.12	.12	.12	.12	.08	.07	.09	.092	24	.18
25	.08	.09	.12	.10	.14	.18	.25	.28	.31	.33	.26	.12	.07	.09	.14	.12	.13	.13	.09	.20	.31	.22	.08	.07	.162	24	.53
26	.05	.07	.10	.13	.16	.25	.27	.30	.24	.33		.28	.16	.12	.10	.09	.12	.19	.14	.18	.13	.12	.13	.13	.164	23	.46
27	.11	.12	.13	.13	.11	.12	.14	.19	.16	.14	.10	.10	.08	.08	.09	.08	.08	.06	.04	.06	.05	.04	.03	.05	.094	24	.20
28	.04	.04	.04	.03	.05	.08	.09	.08	.07	.05	.05	.07	.06	.07	.08	.10	.09	.11	.09	.10	.10	.14	.15	.13	.079	24	.17
29	.14	.15	.19	.18	.20	.28	.31	.29	.28	.22			.16	.13	.11	.14	.14	.14	.11	.09	.10	.17			.176	20	.34
30*																											
MEAN	.11	.11	.11	.12	.14	.17	.20	.21	.21	.19	.19	.19	.15	.11	.12	.11	.11	.12	.11	.11	.12	.12	.12	.12	.139	621	
NO	26	26	26	26	26	26	25	25	26	23	21	26	27	27	26	26	26	27	27	27	27	27	26	26	.266		.99
MAX	.31	.34	.27	.29	.34	.41	.52	.45	.42	.44	.61	.85	.62	.26	.25	.28	.28	.37	.32	.30	.31	.28	.43	.47			

TABULATED WED., SEP. 10, 1969

* Indicates Saturday or Sunday
Local standard time used

Table 3-48

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
CONDUCTOMETRIC ANALYSIS

SULFUR DIOXIDE
DEC. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*												.44	.44	.43	.46	.37	.27	.39	.41	.33	.25	.20	.25	.34	.351	13	.61
2																		.12	.07	.08	.07	.08	.07	.08	.233	17	.67
3	.32	.31	.21	.25	.39	.28	.57	.42	.39	.26									.49	.29	.28	.22	.07	.05	.191	24	.71
4	.09	.08	.09	.09	.11	.16	.19	.16	.18	.18	.15	.16	.19	.32	.30	.38	.21	.17									
5	.03	.04	.04	.04	.06	.07	.08	.10	.10	.10							.09	.08	.07	.07	.08	.07	.07	.07	.069	18	.14
6	.08	.08	.09	.10	.08	.11	.13	.15	.17	.14	.11	.15	.18	.14			.11	.12	.12	.12	.10	.11	.16		.120	21	.26
7*																											
8*																											
9																											
10	.26	.33	.27	.18	.26	.38	.39	.23	.24	.26	.28	.21	.17	.18	.22	.17	.16	.21	.30	.27	.28	.18	.15	.17	.239	24	.46
11												.19	.15	.11	.11	.10	.13	.10	.09	.10	.11	.11	.12	.13	.117	13	.21
12	.12	.11	.11	.11	.11	.11	.11	.11	.09	.09	.08	.07	.07	.07	.07	.06	.06	.06	.05	.05	.05	.04	.04	.06	.079	24	.20
13	.15	.15	.20					.15	.14	.18	.12					.14	.11	.13	.15	.14	.12	.09	.07	.07	.130	16	.33
14*	.09	.10	.10	.11	.14	.19	.20	.20	.22	.21	.21	.22	.22	.27	.27	.27	.26	.25	.23	.23	.23	.22	.20	.22	.201	24	.33
15*	.21	.20	.20	.23	.29	.32	.33	.24	.17	.16	.17	.17	.23	.25	.29	.26	.25	.23	.30	.22	.18	.23	.26	.17	.231	24	.36
16	.14	.16	.18	.15	.16	.22	.23	.30	.23	.22	.22		.18	.19	.23	.17	.25	.24	.24	.29	.19	.19	.25	.23	.210	23	.45
17																											
18																											
19																											
20		.11	.09	.15	.15	.13	.12	.16	.13	.13		.12	.11	.09	.10	.10	.11	.12	.11	.10	.06	.08	.09	.15	.113	22	.23
21*	.17	.41	.55	.22	.18	.26	.34	.39	.25	.26	.30	.38	.30	.20	.13	.08	.06	.06	.06	.14	.14	.15	.06	.05	.214	24	.61
22*	.08	.08	.03	.04	.08	.06	.06	.10	.09	.09	.14	.15	.14	.11	.13	.18	.15	.13	.16	.19	.24	.19	.14	.21	.122	24	.31
23																											
24												.18	.14	.11	.13	.13	.13	.12	.15	.17	.15	.17	.12	.20	.146	13	.24
25																											
26																											
27																											
28*																											
29*																											
30																											
31																											
MEAN	12	13	13	12	12	12	12	13	13	13	10	12	13	13	12	13	15	.16	.19	.17	.16	.14	.13			324	
NO	.32	.41	.55	.25	.39	.38	.57	.42	.39	.26	.30	.44	.44	.43	.46	.38	.27	16	16	16	16	16	16	15	.351		.71
MAX																		.39	.49	.33	.28	.23	.26	.34			

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-49

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

CHICAGO, ILL.

TOTAL HYDROCARBON
JAN. 1968

DAY OF MONTH	A M												P M												DAILY MEAN	NO OF HRS	5-MIN MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1	2.4	2.6	2.6	2.8	3.0	2.8	2.7	2.6	2.4	2.3	2.3	2.2	2.2	2.2	2.4	2.5	2.6	2.5	2.2	2.4	2.4	2.4	2.4	2.3	2.46	24	3.4
2	2.1	2.1	2.1	2.1	2.1	2.3	3.1	4.1	3.6	3.5	3.0	2.6	2.9	4.2			4.7	5.0	3.5	4.1	3.7	3.2	2.9	2.7	3.14	22	8.9
3	2.4	2.2	2.2	2.0	2.4	2.2	2.1	2.6	2.8	2.6	2.7	2.3	2.4	2.5	2.6	2.8	3.0	3.0	2.8	2.5	2.6	2.4	2.5	2.3	2.48	24	3.6
4	2.1	2.1	2.0	2.0	2.1	2.1	2.3	2.6	2.5	2.3	2.2	2.2	2.2	2.2	2.4	2.4	2.8	2.6	2.4	2.2	2.2	2.3	2.4	2.9	2.31	24	3.8
5	2.6	2.8	2.3	2.4	2.1	2.1	2.4	2.5	2.7	2.7	2.4	2.3	2.3	2.5	2.5			2.9	2.8	2.6	2.6	2.9	2.7	2.8	2.53	22	4.3
6*	2.6	2.4	2.2	2.2	2.2	2.3	2.3	2.6	2.8	2.9	2.9	2.9	2.8	2.9	2.8	2.9	3.0	2.7	2.5	2.5	2.5	2.3	2.4	2.8	2.58	24	3.2
7*	2.5	2.2	2.2	2.1	2.0	2.0	2.0	2.1	2.2	2.2	2.1	2.1	2.2	2.3	2.2	2.3	2.4	2.3	2.4	2.3	2.3	2.3	2.4	2.4	2.23	24	3.2
8	2.4	2.6	2.8	3.0	2.9	3.0	4.0	4.6	4.7	3.8		3.3	3.4	3.0	3.3	3.2	2.8	3.4	3.1	2.3	2.6	2.6	2.2	2.2	3.09	23	5.4
9	2.5	2.4	2.4	2.3	2.4	2.4	2.5	3.2	3.1	3.2	3.1	2.9	2.7	2.8	3.0	3.2	3.6	3.7	3.2	2.8	2.8	2.7	2.6	2.7	2.82	24	4.9
10	2.5	2.6	2.3	2.3	2.3	2.4	3.1	4.4	5.3	3.6	3.2	3.2	3.1	3.2	3.5	3.8	4.6	4.7	3.4	3.0	2.8	2.7	3.0	2.6	3.22	24	7.6
11	2.3	2.1	2.0	2.0	2.0	2.1	3.0	3.4	3.4	3.2	2.8	2.6	2.6	2.7		3.8	4.2	4.4	3.3	2.9	2.9	2.5	2.1	2.1	2.78	23	5.5
12	2.0	1.9	1.9	1.8	1.9	1.9	2.4	2.7	2.8	2.7	2.8	2.8	2.7	2.5			3.2	3.3	2.8	2.6	2.3	2.2	2.1	2.6	2.45	22	4.4
13*	2.6	2.5	2.3	2.0	2.0	2.0	2.3	2.9	3.2	2.9	2.8	3.0	3.4	3.4	3.6	3.9	4.2	3.6	3.0	2.9	2.9	2.6	2.8	3.0	2.89	24	5.2
14*	2.8	2.4	2.3	2.1	1.9	1.9	2.0	2.0	2.1	2.0	2.1	2.2	2.3	2.6	2.3	2.6	2.6	2.4	2.5	2.7	2.6	2.3	2.5	2.5	2.30	24	4.5
15	2.0	1.9	1.8	1.8	1.8	2.0	2.7	2.9	3.6	3.3	3.4	3.2	3.5	3.8				4.3	3.3	3.1	2.9	3.1	3.0	3.4	2.89	21	5.2
16	3.9	3.6	2.9	3.5	4.1	4.5	4.9	4.7	4.2	3.7	3.4	2.9	2.7	2.7	2.6	3.0	3.5	3.5	3.2	2.9	2.5	2.7	2.3	2.2	3.32	24	7.8
17	2.1	2.2	2.2	2.2	2.3	2.3	2.6	4.0	4.8	3.7	3.4	3.0	2.8	3.0	3.1	3.2	3.7	3.4	2.9	2.8	2.6	2.7	2.6	2.6	2.91	24	6.5
18	2.6	2.4	3.0	2.4	2.2	2.2	2.7	3.3	3.6	3.3	2.9	3.0	3.0	3.3	3.3	3.6	3.8	3.5	3.2	2.9	2.9	2.8	2.7	2.4	2.95	24	4.8
19	1.9	1.8	1.8	1.8	2.0	1.9	2.2	2.6	2.9	2.7	3.0	3.0	2.9	2.9				3.5	3.1	2.7	2.8	2.7	2.6	3.0	2.54	21	4.4
20*	2.5	2.5	2.3	2.3	2.5	2.8	2.9	3.0	3.9	3.2	3.2	2.7	2.8	2.7	2.8	3.1	3.5	3.2	2.9	2.8	2.9	2.6	2.8	3.0	2.85	24	7.4
21*	2.8	2.9	2.8	2.6	2.5	2.6	2.4	2.3	2.3	2.1	2.2	2.1	2.4	2.7	2.7	3.0	4.0	2.9	3.5	3.5	4.6	4.3	3.4	3.0	2.88	24	7.0
22	2.8	2.9	3.0	3.0	2.7	2.5	2.9	3.6	3.5	3.3	3.6	4.3	3.2	3.4	3.6	5.7	5.5	6.2	4.6	4.3	4.9	3.7	3.3	3.3	3.74	24	8.4
23	3.3	3.3	2.7	2.5	2.5	2.8	4.0	3.8	4.0				4.6	4.3	4.6	3.6	3.8	3.8	3.1	3.0	2.9	3.0	2.8	2.7	3.37	21	6.4
24	2.8	2.6	2.6	2.5	2.5	2.6	3.2	3.8	4.2	3.9	3.3	3.1	2.8	2.6	2.7	3.1	3.1	3.2	2.7	2.5	2.5	2.7	2.8	2.6	2.93	24	5.0
25	2.9	2.7	2.6	2.8	2.5	2.6	3.1	3.2	3.8	3.7	3.5	3.6	3.1	3.2	3.4	4.0	3.6	3.9	3.4	3.1	3.1	2.9	3.2	3.1	3.21	24	5.8
26																											
27*																											
28*																											
29																											
30																											
31																											
MEAN	2.5	2.5	2.4	2.3	2.3	2.4	2.8	3.2	3.4	3.0	2.9	2.8	2.8	2.9	3.0	3.3	3.5	3.5	3.0	2.9	2.9	2.7	2.7	2.7	2.83		
NO	25	25	25	25	25	25	25	25	25	24	23	24	25	25	20	20	22	25	25	25	25	25	25	25		583	
MAX	3.9	3.6	3.0	3.5	4.1	4.5	4.9	4.7	5.3	3.9	3.6	4.3	4.6	4.3	4.6	5.7	5.5	6.2	4.6	4.3	4.9	4.3	3.4	3.4	3.74		8.9

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-50

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

CHICAGO, ILL.

TOTAL HYDROCARBON
FEB. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1																											
2																											
3*																											
4*																											
5																											
6	12.3	9.8	7.1	7.1	5.6	4.1	7.7	7.9	6.6	4.7	4.2	3.7	3.5	3.9	3.8	3.8	4.0	4.2	3.3	3.5	4.0	3.1	3.1	2.9	5.13	24	15.6
7	2.9	2.7	2.5	2.4	2.5	2.6	3.6	4.0	4.3	4.2	3.9	4.0	4.1	4.2	5.4	5.5		5.4	4.1	3.3	3.1	2.8	3.2	3.1	3.63	23	6.8
8	2.9	2.6	2.4	2.3	2.3	2.5	3.2	3.5	4.3	3.9	3.4	3.0	2.9	3.0	3.3	3.1	3.3	3.3	3.1	3.0	3.0	3.0	3.4	2.8	3.06	24	7.1
9	3.1	3.5	2.3	2.2	2.2	2.3	3.4	3.7	3.6	3.3	3.1	3.4	3.1	3.2			4.3	4.5	3.7	3.3	3.3	3.2	3.1	3.1	3.20	22	9.0
10*	3.1	3.0	2.6	2.5	2.5	2.7	2.7	3.0	3.0	2.9	2.7	3.0	3.0	3.1	3.2	3.2	3.2	3.3	2.9	2.8	2.8	2.7	2.9	3.0	2.91	24	5.0
11*	3.0	2.7	2.5	2.3	2.2	2.2	2.3	2.3	2.3	2.2	2.2	2.2	2.1	2.2	2.1	2.1	2.4	2.6	2.3	2.2	2.3	2.3	2.4	2.4	2.31	24	3.6
12	2.3	2.1	2.0	2.0	2.0	2.2	2.8	3.2	3.3	3.6	3.2	3.0	2.9	2.9	3.5	3.7	3.3	3.5	2.9	2.8	2.8	2.9	2.6	2.4	2.83	24	5.3
13	2.7	2.7	2.3	2.3	2.4	2.5	3.4	4.4	4.9			3.0	3.0	2.8	2.8	2.9	3.1	3.1	2.7	2.6	2.6	2.7	2.6	2.5	2.89	22	5.8
14	2.4	2.6	2.2	2.1	2.2	2.2	2.8	3.3	3.4	3.1	3.3	3.1	2.9	2.9	3.0	2.9	3.2	3.1	3.0	2.5	2.6	2.6	2.5	2.6	2.76	24	4.8
15	2.5	2.4	2.3	2.3	2.3	2.3	2.7	3.1	3.4	3.0	3.1	2.9	2.8	3.1	2.9	3.4	3.3	3.4	3.0	3.2	3.5	3.5	3.3	4.1	2.97	24	6.0
16	3.9	3.5	3.9	2.7	2.6	2.7	3.5	4.4	3.5	3.4	3.0	2.9	2.8	2.9	2.9		3.2	3.0	2.8	2.7	2.5	2.4	2.4	2.6	3.02	23	9.0
17*	2.5	4.5	2.4	2.5	2.5	2.6	2.7	2.9	3.2	2.8	2.7	2.6	2.7	2.7	2.6	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.8	2.66	24	3.8
18*	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.5	2.3	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.7	2.7	4.6	2.6	2.8	2.8	2.59	24	3.9
19	2.8	2.7	2.6	2.7	3.1	3.6	4.3	6.8	5.7	4.6	3.7	3.3	3.2	3.1	3.3	3.6	4.3	3.9	3.9	3.6	3.3	4.4	3.1	2.9	3.68	24	10.3
20	2.6	2.3	2.4	2.2	2.1	2.2	3.2	3.6	3.9	3.2	3.4	3.1	3.1	3.1	3.3			3.9	3.2	3.7	2.9	2.8	2.9	3.0	3.00	22	6.3
21	2.7	2.6	2.5	2.4	2.5	4.6			3.5		2.9	2.9	2.6	2.6	2.8		3.4	3.2	2.8	2.8	3.0	2.7	2.7	2.8	2.79	20	4.5
22	2.7	2.4	2.4	2.6	2.5	2.5			3.6	3.0	2.6	2.5	2.7	2.7		2.8	3.4	3.1	2.6	2.6	2.8		2.7		2.74	19	5.7
23	2.4	2.3	2.6	2.7	2.7	2.4	3.0	3.8	4.8	4.9	3.8	3.3	3.1	2.8	2.6		4.6	4.1	3.7	3.0	3.2	2.8	2.7	2.8	3.21	23	7.1
24*	2.4	2.4	2.3	2.3	2.4	2.1	2.3	2.6	3.1	2.4	2.7	2.9	3.1	3.2	3.1	3.5	3.5	3.2	3.2	2.9	3.7	2.7	2.7	3.6	2.84	24	7.6
25*	2.9	2.6	2.3	2.3	2.2	2.3	2.2	2.4	2.3	2.3	2.3	2.3	2.4	2.4	2.7	2.7	3.0	3.3	3.7	2.9	2.5	2.6	2.5	2.5	2.56	24	4.9
26		2.5	3.1	3.1		3.5	4.2	6.5	6.1	5.0	4.2	3.7	3.2	3.3	3.4			4.2					2.8	3.0	3.83	16	9.5
27																											
28		2.2	2.4		1.7	1.9		2.9	3.4				3.6	3.5	4.3	3.2	4.0	4.6	3.4	2.9	3.6	3.4	2.9	3.0	3.15	18	8.7
29	3.2	2.5	2.4	2.4	2.4	2.4	3.2	3.8	4.2	3.8	3.5	3.4	3.3	3.5	3.4	3.8	4.5	4.5	3.4	3.3	3.4	3.5	3.5	3.2	3.34	24	7.3
MEAN	3.2	2.9	2.7	2.6	2.5	2.6	3.3	3.8	3.9	3.4	3.1	3.0	3.0	3.0	3.2	3.3	3.5	3.6	3.1	2.9	3.0	2.9	2.8	2.9	3.08		
NO	21	23	23	22	22	23	20	21	23	20	21	22	23	23	21	17	20	23	22	22	22	21	23	22		520	
MAX	12.3	9.8	7.1	7.1	5.6	4.1	7.7	7.9	6.6	5.0	4.2	4.0	4.1	4.2	5.4	5.5	4.6	5.4	4.1	3.7	4.0	4.4	3.5	4.1	5.13		15.6

* Indicates Saturday or Sunday
Local standard time used

TABULATED: WED., SEP. 10, 1969

Table 3-51

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

CHICAGO, ILL.

TOTAL HYDROCARBON
MARCH 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS.	5-MIN. MAX.
1	2.8		3.2	3.1	2.7	2.7	3.0	3.4	3.4	2.9	2.9	2.7	2.6	3.1	3.0	3.1	3.2	3.6	3.3	3.6	3.4	3.6	4.0	3.2	3.13	23	6.3
2*	2.8	2.4	2.4	2.2	2.3	2.3	2.5	2.5	2.9	2.9	3.2	3.4	3.1	3.4	3.2	4.1	3.6	3.8	3.3	3.2	3.7	3.1	3.3	3.5	3.03	24	6.3
3*	3.4	3.0	2.8	2.8	2.8	2.6	2.7	2.7	2.7	2.6	2.6	2.7	2.6	2.7	2.9	2.8	2.9	3.0	3.0	3.3	3.2	2.9	2.9	3.0	2.84	24	4.7
4	2.7	2.6	2.5	2.5	2.6	4.6	3.2	3.5	3.4	3.3	3.2	3.1	2.9	2.9	2.9	3.7	3.7	4.0	4.6	6.7	7.2	4.8	4.2		3.59	23	8.8
5	3.8		3.5	3.5	3.3	3.5	4.2	4.8	5.1				2.9	2.8	3.1	3.5	4.4	4.8	3.8	3.2	3.7	3.3	3.2	2.9	3.65	20	9.9
6	2.8	2.6	2.7	2.7	2.6	4.7	3.6	4.1	5.2	3.9	2.8	2.8	2.8	3.3	2.8	3.3	3.4	3.8	3.2	3.1	3.1	3.1	3.0	2.7	3.15	24	7.4
7	2.6	2.4	2.3	2.4	2.9	2.8	4.2	4.9	4.8	3.8	3.1	3.2	2.9	2.9	3.2	3.5	3.8	3.6	3.6	3.8	4.2	4.2	4.1	4.2	3.46	24	6.6
8	3.4	3.5	3.1	3.1	3.1	3.1	3.6	4.0	4.5	4.7	4.2	4.1	3.5				6.6	5.2	4.4	4.8	5.0	4.2	6.7	7.3	4.37	21	11.1
9*	4.9	4.1	3.2	3.1	2.6	4.6	2.8	2.8	2.9	3.0	3.1	4.1	3.2	3.3	3.2	3.2	3.1	3.3	3.1	3.2	3.7	3.2	3.5	3.4	3.25	24	9.4
10*	3.2	2.8	2.7	2.6	2.6	4.5	2.6			2.9	2.8	2.9	3.0	3.1	3.1	3.3	3.1	3.3	3.0	3.0	2.8	2.8	2.9	2.9	2.89	22	5.8
11	2.7	2.6	2.6	2.5	2.6	4.8	3.8	4.4	4.1	3.6	2.8	3.2	3.2	3.4	3.4	3.9	4.3	4.7	4.0	3.8	3.7	3.5	3.5	3.0	3.40	24	6.7
12	3.0	2.8	2.5	2.5	2.6	4.6	3.2	3.9	3.8	4.0	3.1	3.4	3.3	3.4	3.5		4.1	4.1	3.4	3.1	3.2	3.1	3.2	3.2	3.26	23	6.9
13	3.2	3.0	2.8	2.9	2.9	2.9	3.7	4.0	4.1	3.8	3.5	3.3	3.2	3.2	3.3	3.5	3.4	3.8	3.4	3.7	3.8	4.5	3.6	3.5	3.45	24	6.4
14	4.2	4.0	3.3	3.1	3.2	3.3	3.8	4.2	3.9	3.4	3.5	3.5	3.4	3.3	3.4	3.4	3.6	3.3	3.4	3.5	3.4	3.1	3.3	3.3	3.49	24	9.7
15	3.1	3.4	3.0	2.8	2.7	2.9	3.2	3.4	3.7	3.9	3.7	3.5	3.6	3.6			4.9	5.5	4.7	4.2	4.2	4.2	4.3	4.4	3.76	22	7.9
16*	4.9	3.8	3.4	3.9	3.9	3.2	3.9	6.1	7.1	6.3	5.4	3.8	3.3	3.4	3.7	4.1	3.8	3.7	4.4	4.6	5.8	5.4	6.8	9.6	4.76	24	15.2
17*	8.3	6.1	10.0	11.9	8.6	6.7	5.4	4.8	5.2	6.9	6.2	4.2	3.8	3.4	3.2	2.9	3.2	3.3	3.9	4.4	4.5	4.6	4.0	3.8	5.38	24	15.1
18	3.6	3.2	3.5	3.1	3.0	3.2	3.7	4.1	4.0	4.2	3.5	3.3	3.1			3.3	3.7	4.2	3.4	3.2	3.0	3.1	3.0	2.9	3.41	22	6.2
19	2.8	2.8	2.9	2.8	2.6	2.9	3.3	4.0	4.2	4.2	3.8	3.4	3.0	3.4	3.7	4.1	4.4	4.5	4.2	3.5	3.0	3.3	3.1	2.8	3.43	24	5.9
20	2.6	2.5	2.5	2.6	2.7	2.7	2.8	3.0	3.3	3.0	3.0	2.9	3.2	3.6	3.1	3.2	3.5	4.2	3.7	3.3	3.2	3.1	2.9	2.8	3.04	24	6.3
21	2.7	2.5	2.4	2.3	2.3	2.4	3.3	3.8	4.6	3.6	3.7	3.5	3.4	3.5	3.5	4.5	4.1	3.8	3.3	3.0	3.1	3.1	3.0	3.4	3.27	24	7.0
22	2.6	2.5	2.4	2.4	2.4	2.5	2.9	3.3	3.7				3.6	3.7	3.5	3.9	4.2	3.8	3.8	3.1	3.2	3.3	2.9	2.9	3.16	21	5.8
23*	2.7	2.7	3.0	2.3	2.3	2.3	2.5	2.6	2.7	2.6	2.5	2.9	2.8	2.9	3.0	3.2	3.0	2.8	2.7	2.7	3.0	2.7	2.8	2.9	2.73	24	7.4
24*	2.9	2.8	2.6	2.5	2.5	4.5	2.7	2.7	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.9	2.7	2.9	2.9	2.7	2.7	2.63	24	3.9
25	2.8	2.9	2.7	2.6	2.7	2.7	3.1	3.4	3.8	3.7		3.1	2.9	3.0	3.1	2.9	3.5	3.7	3.8	3.1	3.2	4.3	2.9	2.8	3.15	23	7.9
26	3.5	4.0	3.2	2.6	2.4	2.5	3.0	3.5	3.4	3.2	3.3	3.5	2.9	2.9	3.1	3.4	3.1	3.9	4.8	6.8	8.5	7.2	6.2	3.2	3.91	24	13.2
27	3.1	2.9	2.9	2.8	2.8	3.0	4.2	4.1	4.2	3.5	3.4	3.3	3.2	3.2	3.1	3.0	3.2	3.3	3.2	3.1	2.9	2.9	2.8	2.8	3.19	24	8.1
28	3.1	2.7	2.7	2.7	2.8	2.8	3.1	3.5	3.5	3.3	3.1	2.9	2.8	2.8	2.8	2.7	3.1	3.0	3.2	3.1	2.9	2.8	3.2	3.3	2.97	24	9.1
29	2.3	2.4	2.4	2.8	2.8	3.4	3.6	4.0	5.0	4.3	3.5	3.1	3.5			3.8	3.7	3.6	3.4	3.4	3.5	3.4	3.3	7.1	3.55	22	10.1
30*	8.4	9.5	7.1	8.3	4.7	4.1	3.7	4.1	3.3	2.5	2.6	2.6	2.5	3.3	2.9	3.1	2.9	3.2	3.4	3.8	3.8	2.9	2.5	2.8	4.08	24	14.1
31*	2.4	2.1	2.1	2.1	2.2	2.1	2.1	2.3	2.3	2.7	2.5	2.6	2.7	2.9	3.0	3.3	3.1	3.2	3.8	3.6	3.5	3.0	3.2	3.0	2.73	24	5.3
MEAN	3.5	3.3	3.2	3.2	3.0	2.9	3.3	3.7	3.9	3.6	3.3	3.2	3.1	3.2	3.2	3.4	3.6	3.8	3.6	3.7	3.8	3.6	3.6	3.6	3.42		
NO	31	29	31	31	31	31	31	30	30	29	28	29	31	28	27	28	31	31	31	31	31	31	31	30		722	
MAX	8.4	9.5	10.0	11.9	8.6	6.7	5.4	6.1	7.1	6.9	6.2	4.2	3.8	3.7	3.7	4.5	6.6	5.5	4.8	6.8	8.5	7.2	6.8	9.6	5.38		15.2

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-52

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

TOTAL HYDROCARBON
APRIL 1968

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1	3.0	2.9	2.7	2.5	2.8	2.8	3.6	3.4	3.3	3.5			3.0	3.3	3.5	4.2	4.9	4.2	4.0	3.8	4.3	3.6	3.4	3.5	3.46	22	6.5
2	3.4	2.9	3.0	2.8	2.8	3.0	3.2	3.1	2.8	2.9	3.0	2.9	3.2	2.8	3.4	4.2	5.2	4.9	4.0	3.7	3.0	2.9	2.5	2.5	3.24	24	7.6
3	2.6	2.3	2.3	2.2	2.0	2.1	2.8	3.0	2.5	3.1	2.7	3.2	2.7	2.8	3.5	3.5	3.8	3.8	3.1	2.2	2.1	2.1	2.1	2.1	2.67	24	6.3
4	2.1	2.1	1.8	1.8	1.9	2.1	2.5	3.4	2.4	2.5	2.3	2.2	2.2	2.1				3.9	3.8	3.4	3.8	3.5	3.5	3.7	2.70	21	6.8
5	3.1	2.9	2.9	3.0	3.0	3.1	4.1	4.3	3.9	3.8	3.6	3.7	3.6	3.5	3.6	4.7	4.1	4.3	3.6	3.3	3.2	3.3	3.2	4.4	3.58	24	8.3
6*	6.9	4.0	3.7	3.8	3.8	3.6	4.1	3.6	3.6	3.4	3.3	3.4	3.4	3.1	3.1	3.3	3.3	3.2	3.4	3.2	3.5	3.5	3.6	3.5	3.62	24	14.3
7*	3.4	3.4	3.2	3.2	3.2	3.2	3.3	3.4	3.4	3.4	3.2	2.9	2.8	2.8	2.6	2.6	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.89	24	3.8
8	2.8	3.0	2.9	2.9	2.9	3.0	3.3	3.3	3.3	3.3		2.6	2.4	2.4	2.6	2.8	3.1	3.5	3.2	4.8	3.5	3.5	5.0	3.5	3.18	23	9.5
9	3.3	3.2	3.1	3.1	3.2	3.3	3.6	3.8	3.7	3.5	3.3	3.3	3.1	3.4	3.4	4.1	3.3	3.3	3.0	3.4	4.0	4.0	3.9	3.9	3.45	24	6.2
10	3.5	3.2	3.1	3.5	3.8	4.0	4.7	5.4	5.0	5.0	4.2	3.8	3.4	3.4	3.9	4.6	4.8	4.4	4.5	4.2	4.1	4.3	3.9	4.0	4.09	24	8.7
11	3.9	3.2	4.6	4.4	4.3	3.3	5.2	4.7	4.9	4.2	4.1	4.2	4.2	4.2	4.3	4.5	4.3	4.3	4.2	4.3	3.7	3.8	3.5	3.9	4.33	24	6.6
12	3.5	3.3	3.2	3.3	3.3	3.4	3.7	3.9	3.9	4.0	3.8	3.7	3.5	3.5	3.6	4.1	3.9	4.2	4.2	4.1	4.2	3.8	3.9	3.7	3.73	24	5.9
13*	3.4	3.4	3.3	3.4	3.5	4.0	4.2	3.8	4.3	4.3	4.2	4.2	5.1	4.8	4.2	4.3	4.2	4.0	3.8	3.8	3.7	4.0	3.5	3.4	3.94	24	7.5
14*	3.3	3.2	3.2	3.2	3.1	3.2	3.3	3.3	3.4	3.3	3.2	3.1	3.2	3.2	3.4	3.5	3.5	3.5	3.6	3.5	3.3	3.4	3.4	3.4	3.31	24	4.1
15																											
16	3.4	3.2	3.2	3.1	3.0	3.2	3.6	3.8	3.9	3.5	3.3	3.3	3.1	3.1	3.1	3.2	3.2	2.9	3.2	2.8	2.9	2.8	2.9	2.9	3.18	24	5.3
17	2.6	2.6	2.6	2.6	2.5	2.8	2.8	2.9	2.8	2.9	3.1	3.5	3.2	4.6	4.8	4.7	4.1	4.5	3.5	3.1	3.4	3.0	3.3	3.0	3.28	24	6.6
18																											
19	3.0	2.6	2.5	2.2	2.4	2.6	3.6	3.8	4.4	3.9	3.4	3.4	3.5	5.0	4.6	5.4	5.5	5.3	3.7	3.8	4.1	3.6	3.8	4.0	3.74	24	8.0
20*	3.9	2.7	2.4	2.4	2.2	2.2	2.4	2.9	2.8	3.0	3.0	2.6	2.6	2.6	2.3	2.4	2.3	2.4	2.5	2.4	2.5	2.4	2.4	2.6	2.57	24	5.7
21*	2.5	2.5	2.4	2.4	2.4	2.4	2.5	2.5	2.4	2.6	2.6	2.5	2.5	2.8	3.4	3.3	3.4	4.1	4.0	3.9	3.6	3.7	3.7	3.4	2.96	24	6.1
22																											
23																											
24																											
25																											
26																											
27*																											
28*																											
29																											
30	3.4	3.1	3.0	3.2	3.5	3.2	5.9	5.5	4.9	4.2	4.0	3.6	3.7	4.2	4.5	4.3	5.1	4.0	3.8	3.7	4.1	3.7	3.8	3.9	4.07	24	8.4
MEAN	3.4	3.1	3.0	3.0	3.0	3.2	3.6	3.7	3.6	3.5	3.3	3.3	3.2	3.4	3.6	3.9	3.9	3.9	3.6	3.5	3.5	3.4	3.4	3.4	3.41		
NO	20	20	20	20	20	20	20	20	20	20	18	19	20	20	19	19	19	20	20	20	20	20	20	20		474	
MAX	6.9	5.2	4.6	4.4	4.3	5.3	5.9	5.5	5.0	5.0	4.2	4.2	5.1	5.0	4.8	5.4	5.5	5.3	4.5	4.8	4.3	4.3	5.0	4.4	4.33		14.3

* Indicates Saturday or Sunday
Local Standard time used

TABULATED: WED., SEP. 10, 1969

Table 3-53

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM

FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
MAY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1																											
2																											
3												4.9	4.6	3.8	3.6	4.5	4.7	4.8	4.6	5.3	4.1	3.6	3.9	3.3	4.28	15	6.9
4*	2.7	2.3	2.1	2.0	2.0	2.1	2.9	3.2	3.1	2.6	2.4	2.3	3.3	3.4	3.3	3.4	3.4	3.0	2.8	3.3	3.1	2.9	3.4	3.1	2.82	24	4.3
5*	2.6	2.2	2.1	2.1	1.9	2.0	2.1	2.1	2.1	2.1	2.2	2.3	2.4	2.4	2.4	2.6	2.4	3.1	3.0	2.7	2.6	2.7	2.4	2.0	2.35	24	4.2
6	2.1	2.9	3.5	3.7	2.9	4.0	4.0	3.8	3.0	2.8				3.6	4.2	4.2	4.5	4.3	3.6	3.5	3.4	3.4	2.9	2.2	3.44	21	5.4
7	2.3	2.2	2.1	2.1	2.1	2.4	2.6	2.8	2.7	2.5		2.8	2.9	2.8	3.3	3.2	3.1	2.4	2.1	2.0	2.4	2.5	2.1	2.7	2.50	23	4.1
8	1.9	2.0	2.1	2.3	2.5	3.2	3.2	3.1	2.6	2.3							2.8	2.3	2.3	3.1	3.4	3.6	2.7	2.3	2.64	18	4.8
9	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.4	2.1		2.2	2.7				3.0	2.4	2.0	2.3	2.4	2.0	2.7	2.1	2.26	20	3.7
10																											
11*	2.9	2.6	2.3	2.2	2.2	2.2	2.5	3.4	3.3	3.7	4.0	3.9	4.1	4.3	3.4	3.7	3.7	3.6	3.0	3.9	3.1	3.0	3.5	3.8	3.23	24	4.7
12*	3.2	2.8	2.3	2.1	2.0	2.1	2.3	2.5	2.5	2.7	2.6	2.7	3.3	3.1	3.0	3.0	2.9	4.4	5.3	5.1	4.6	3.9	3.4	3.4	3.12	24	8.0
13	3.3	3.1	3.1	3.1	2.7	3.4	3.9	4.2			3.5	3.9	4.2	3.8	4.2	4.6	4.9	2.9	3.5	2.7	2.1	2.0	2.1	2.0	3.31	22	7.2
14	2.1	2.1	2.0	2.0	2.3	2.9	3.3	4.2	4.5	3.7	3.2	2.8	2.9	3.0	2.8	3.0	2.8	2.6	2.7	3.2	2.9	3.0	3.4	3.3	2.93	24	4.8
15	3.1	2.6	2.6	2.7	2.9	4.3	5.9	6.3			4.0	3.9	3.1	3.9	3.5	3.8	3.9	3.2	2.7	2.8	2.0	2.0	1.9	2.1	3.32	22	7.4
16	2.2	2.1	1.7	1.4	1.3	1.8	2.0	2.3	2.2	2.2	2.1	2.1	2.1	2.1	2.5	2.6	2.6	2.4	2.2	2.1	2.0	2.1	1.9	2.0	2.07	24	3.0
17	1.8	2.0	1.8	1.8	1.7	2.4	2.7	3.0	2.6	2.3	2.5	2.7	2.8			2.8	2.8	2.6	2.6	2.7	3.4	3.7	4.1	4.8	2.71	22	5.9
18*	5.4	4.0	4.5	3.5	3.7	3.6	3.2	2.8	2.3	2.1	2.1	2.1	2.3	2.4	2.7	2.6	2.6	2.1	2.3	3.1	2.2	2.0	2.2	2.1	2.83	24	9.1
19*	2.1	2.1	2.0	1.9	1.8	1.9	2.0	1.8	1.8	2.1	1.8	1.8	2.4	2.7	3.0	3.2	3.2	3.3	3.4	2.6	3.1	3.3	2.9	2.7	2.43	24	4.5
20	2.0	2.0	2.0	2.0	2.0	3.1	4.3	4.3	3.7	3.1			2.9	2.9	4.2	4.5	5.0	4.1	3.8	3.9	3.7	3.8	5.1	3.6	3.43	22	7.8
21	3.3	2.8	7.0	3.0	2.8	4.0	4.6	3.6	3.0	2.8	3.1	3.3	2.9	3.1	3.1	3.5	3.1	2.7	2.5	3.1	3.3	3.7	4.3	6.9	3.55	24	15.2
22	9.0	4.9	4.5	5.2	4.9	5.1	4.5	5.1	4.5	3.4	2.8	2.6	2.8			3.5	3.6	3.0	3.1	3.2	2.9	3.3	3.8	3.0	3.84	22	6.6
23	2.4	2.2	2.0	1.9	2.0	3.3	4.5	4.4	4.2	4.0	4.1	3.7	3.9	4.2	4.7	5.1	5.3	4.6	3.6	4.2	3.7	3.4	2.9	2.6	3.62	24	6.0
24	2.3	2.2	2.0	2.1	2.1	3.3	4.4	4.5				3.8	3.5	4.1	4.6	6.2	6.5	5.3	4.5	4.8	5.6	5.4	4.3	3.5	4.05	21	7.6
25*	3.8	2.8	2.3	2.1	2.2	2.4	2.8	3.2	3.7	3.3	3.6	3.8	4.0	4.3	5.0	5.1	4.4	4.5	3.8	3.5	3.8	4.3	4.3	4.1	3.61	24	5.6
26*	3.8	2.6	2.5	2.2	2.1	2.2	2.1	2.3	2.1	2.4	2.1	2.7	3.3	3.2	3.4	2.8	3.4	3.1	2.4	2.6	3.0	3.2	2.8	2.5	2.69	24	4.3
27	2.1	2.0	2.0	1.9	2.0	2.5	2.9	3.1	2.8	2.8	2.7	2.8					3.3	3.2	3.0	2.9	2.8	3.0	3.1	4.6	2.76	20	10.0
28	4.5	2.3	2.2	2.0	2.1	2.8	3.4	3.5	3.4	2.8	2.6	3.1	3.3	3.2	4.1	3.9	3.7	3.8	3.3	3.0	2.5	4.7	3.2	3.4	3.19	24	10.3
29	2.5	3.3	3.0	2.7	2.1	3.2	4.0	4.1	3.5				4.4	4.3	4.8	4.5	5.4	4.2	3.5	3.7	3.9	4.0	3.3	2.8	3.66	21	8.4
30	2.4	2.1	2.4	2.0	2.0	2.2	2.2	2.2	2.1	2.0	1.9	2.2	2.2	2.6	2.9	2.7	2.6	2.4	2.4	2.7	2.9	3.8	5.5	6.6	2.69	24	7.2
31	6.0	4.9	5.8	4.4	3.6	4.1	5.9	4.9	3.2	2.6						4.6	4.4	4.1	3.1	3.1	3.9	4.8	5.1	5.2	4.40	19	6.9
MEAN	2.9	2.6	2.7	2.5	2.4	2.9	3.3	3.4	3.0	2.7	2.8	3.0	3.2	3.3	3.6	3.7	3.7	3.4	3.1	3.2	3.2	3.3	3.3	3.3	3.11		
NO	27	27	27	27	27	27	27	27	24	23	19	23	24	22	22	25	28	28	28	28	28	28	28	28		622	
MAX	6.0	4.9	7.0	5.2	4.9	5.1	5.9	6.3	4.5	4.0	4.1	4.9	4.6	4.3	5.0	6.2	6.5	5.3	5.3	5.3	5.6	5.4	5.5	6.9	4.40		15.2

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-54

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

CHICAGO, ILL.

TOTAL HYDROCARBON
JUNE 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*	4.9	3.3	3.3	2.6	2.2	2.5	2.7	3.0	3.2	3.3	2.9	3.4	3.1	2.8	2.8	3.8	3.1	2.7	2.4	3.3	3.4	3.9	3.3	3.6	3.13	24	6.7
2*	3.5	3.1	2.7	2.7	2.5	2.3	2.4	2.2	2.2	2.0	1.9	1.9	1.9	2.1	2.1	2.1	2.3	2.3	2.5	2.8				2.2	2.34	21	4.6
3		3.1		4.5		6.8	7.3						2.4	2.3	2.3	2.4	2.5	2.4	2.4		2.8	2.4	2.5		3.29	14	8.0
4																											
5																											
6		6.0		4.9	3.8	4.9	5.4	4.4	3.3	3.0					3.0	4.1	3.0	3.2	6.1	3.1	3.4	3.4	3.0	3.1	3.93	16	11.2
7	3.8	3.1	3.2	3.2	3.1	3.7	4.1	4.0	3.4	3.1			3.4	2.8	3.3	3.2	3.5	3.6	3.6	3.9	3.8	3.1	3.6	3.5	3.44	22	5.8
8*	5.5	7.1	5.0	4.0	3.3	3.4	4.2	4.1	4.2	3.7	3.2	3.0			3.2	3.1	3.1			3.1	3.4	3.2	3.5	3.5	3.83	20	9.8
9*	2.7	5.1	5.2	4.7	3.8	3.7	3.3		2.2	2.1	2.4	3.2	3.4	3.3	3.2	3.6	3.7	4.2	3.8	4.0	3.7	3.4	3.4	2.5	3.49	23	5.8
10	2.0	1.8	1.7	1.7	1.8	3.0	3.2	3.2					4.0	3.2	3.3		3.0	3.7	2.9	3.8	4.5		3.6	3.6	2.99	18	6.4
11	2.4	2.4	2.2	1.8	1.7	3.3	3.7	3.8	3.3	2.7	2.3	2.0	2.1			2.1	2.0	1.9	1.9	1.8	2.0	2.0	2.1	2.0	2.33	22	4.9
12	2.4	2.1	1.7	1.7	1.7	1.9	2.1	2.4					3.4	3.3	3.5	3.6	3.2				2.2	2.1	2.0	1.8	2.41	17	5.2
13	1.8	1.6	1.5	1.5	1.4	2.1	2.1	2.2				2.3	2.2	2.3	2.4	2.8	3.3	2.9	3.4	2.9	2.4	2.8	2.4	2.2	2.31	21	6.2
14	2.8	2.0	1.9	1.9	2.0	2.4	2.6				2.2	2.2				3.4	3.7	3.8	3.3	3.8	3.3	3.2	3.2	3.3	2.81	18	5.3
15*	3.0	2.2	2.3			2.4	2.4	2.6					2.7		2.5			2.4	2.3	2.3	2.4	2.4	2.9		2.48	14	3.9
16*	2.4	2.4	2.1	2.0	1.9	1.9	1.9	1.9	1.9	1.9	2.2	2.4	2.3	2.4	2.5	2.6	2.6	2.7	2.4	2.5	2.5	2.4	2.3	2.2	2.26	24	3.7
17	1.9	1.9	1.8	1.8	2.0	2.4					2.2	2.3	2.2		2.5	2.7	2.7	2.6	2.6	2.6	2.4	2.9	2.4	2.0	2.30	19	3.6
18	3.1	2.7	3.1	3.8	2.4	2.9	3.3	3.9	4.7	5.3	4.6	3.6	3.3	3.1	2.4	2.8	3.4	3.9	3.7	3.9	3.3	3.3	3.1	3.2	3.44	24	9.5
19	3.2	3.4	3.7	3.3	2.8	3.1	3.7	3.4	2.9	2.8			3.2	2.9	2.8	3.0	3.0	2.9	3.5	2.8	3.0	3.3	2.5	2.4	3.06	22	4.5
20	2.4	3.2	3.4	4.6	5.2	4.9	3.0	3.1	2.6	2.2	2.0	2.3	2.5	2.8	2.6	3.2	3.5	3.2	3.3	3.4	2.7	2.6	2.9	2.6	3.07	24	6.3
21	2.9	4.0	2.2	2.1	2.1	2.9	3.3	4.0	3.6	3.1	2.7	2.5	2.4	2.4			3.1	3.4	3.6	3.5	3.7	3.4	3.7	3.8	3.09	22	8.5
22*	3.4	2.3	2.0	2.0	2.1	2.4	2.5	2.2	2.4	2.0	2.3	2.6	2.9	2.8	2.7	2.5	2.5	2.5	2.4	2.7	2.7	2.7	2.6	2.7	2.48	24	8.7
23*	2.9	2.4	2.1	2.6	3.1	2.6	2.8	2.2	2.3	2.1	2.0	2.0	1.9	1.8	1.9	2.2	3.0	3.3	2.7	3.5	4.1	3.9	2.7	2.0	2.57	24	5.5
24	1.7	1.7	2.2	2.9	3.7	4.7	4.3	3.5	3.6	3.4	3.4	3.1	3.0			3.0	4.5	3.7	3.1	3.2	3.6	4.2	3.4	3.5	3.32	22	5.8
25	5.1	5.7	2.4	2.0	2.1	2.9	4.5	5.6	5.1	4.3	3.6	3.3	3.5	3.9	3.8	3.7	3.8	3.2	2.7	2.8	2.6	2.8	2.5	2.4	3.50	24	10.4
26	2.3	2.0	1.7	1.7	1.8	2.1	2.8	3.0	3.7	3.3			2.3	2.5	2.4	2.3	2.4	2.2	2.1	2.2	2.2	2.5	2.1	2.0	2.32	22	4.7
27	4.6	2.1	1.9	1.8	1.8	2.1	2.2	2.5	2.2	2.3	2.1	2.1	2.3	2.6	2.8	3.0	3.2	2.7	2.3	2.3	2.2	2.1	2.1	2.7	2.42	24	15.0
28	1.9	2.3	1.8	1.8	2.1	2.5	2.7	2.6	2.4	2.3	2.2	2.6	2.7			3.0	2.7	2.7	2.6	2.7	2.8	2.4	3.2	3.1	2.49	22	4.0
29*	3.6	3.8	2.3	2.2	2.1	2.3	2.4	2.4	2.5	2.5	3.6	3.3	2.9	3.0	3.0	3.0	2.8	2.5	2.6	3.1	3.0	3.0	2.5	2.2	2.76	24	9.8
30*	2.2	1.9	1.8	1.8	1.7	1.7	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	1.9	2.0	2.1	2.1	2.1	1.8	1.87	24	2.5
MEAN	3.0	3.0	2.5	2.6	2.5	3.0	3.2	3.1	3.0	2.8	2.6	2.6	2.7	2.7	2.7	2.9	3.0	2.9	2.9	3.0	3.0	2.9	2.8	2.7	2.84		
NO	26	28	26	27	26	28	27	24	21	21	19	20	25	20	23	25	27	26	26	26	27	26	27	26		597	
MAX	5.5	7.1	5.2	4.9	5.2	6.8	7.3	5.6	5.1	5.3	4.6	3.6	4.0	3.9	3.8	4.1	4.5	4.2	6.1	4.0	4.5	4.2	3.7	3.8	3.93		15.0

* Indicates Saturday or Sunday
Local standard time used

TABULATED: WED., SEP. 10, 1969

Table 3-55

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
JULY 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5-MIN MAX
1	1.8	1.9	1.9	1.8	2.2	2.8	3.0	2.8	2.6	2.4	2.3	2.3	2.4	2.3		2.1	2.0	2.1	2.1	2.2	2.2	2.3	2.7	3.6	2.31	23	6.8
2	2.8	2.9	2.0	1.9	2.0	2.4	2.7	3.0	2.3	2.4	2.5	2.4	2.7	2.8	3.2	3.1	3.3	3.1	2.8	2.8	2.7	2.7	2.8	2.6	2.64	24	5.7
3	3.7	3.3	2.8	2.7	2.8	3.5	3.8	4.2	3.7	3.3			3.0	2.7	2.7	3.0	3.1	2.7	2.7	2.9	3.1	2.9	4.2	5.4	3.27	22	7.4
4	5.7	7.3	5.6	3.2	2.8	2.8	2.7	2.8	2.3	2.3	2.2	2.4	2.4	2.3	2.3	2.2	2.2	2.2	2.3	2.4	2.8	4.3	3.3	3.2	3.08	24	12.7
5	3.1	3.0	2.7	2.9	3.4	3.2	3.4	3.6	3.4	3.8	4.4	4.2	3.4	3.3	3.5	3.6	4.0	3.5	3.7	3.9	3.1	2.8	3.5	3.0	3.42	24	5.2
6*	2.5	2.4	2.3	2.4	2.5	2.5	2.6	2.7	2.7	2.7	2.7	2.9	2.5	2.8	2.8	2.9	3.2	3.0	2.8	3.3	3.3	4.5	5.4	5.1	3.01	24	6.4
7*	5.7	5.2	3.5	3.3	3.2	3.3	2.9	3.0	2.7	2.5	2.4	2.4	2.5	3.0	3.1	3.3	3.0	2.7	2.6	2.5	2.7	2.8	3.0	3.0	3.08	24	10.0
8	2.8	3.1	3.2	3.1	3.5	3.5	3.7	3.9	5.2	4.0	3.6	3.7	3.7	3.3	3.5	3.4	3.8	3.0	2.9	2.8	3.0	2.8	2.8	2.8	3.37	24	7.1
9	4.1	2.8	2.4	2.3	2.4	2.9	3.2	3.3	3.9	3.8	3.5	3.2	3.7	3.6	3.6	3.8	3.9	3.3	2.8	2.9			2.9	2.7	3.21	22	6.2
10	2.5	2.3	2.3	2.2	2.4	2.7	3.3	3.6	3.3	3.4	3.0	3.2	3.3	3.2	3.6	3.6	4.0	3.3	3.1	3.4	3.8	5.0	3.3	2.9	3.18	24	14.3
11	2.6	4.5	2.7	2.7	3.0	4.2	4.5	4.4	3.5	3.5	3.6	3.5	3.5	3.9	4.4	3.9	4.4	4.4	5.3	5.5	4.9	4.7	4.9	4.8	3.96	24	6.8
12																											
13*																											
14*																											
15									3.9	3.5	3.4	2.9	2.7	3.0	2.9	2.9	2.7	2.7	2.7	2.7	3.0	2.9	2.6	4.2	3.03	16	9.9
16	4.6	2.7	2.5	2.5	2.7	3.2	3.6	3.6	3.8	3.7	3.2		3.0	3.0	2.8	2.9	3.0	2.7	2.6	2.9	3.4	3.5	4.9	3.4	3.22	23	11.2
17	2.7	2.5	2.4	2.4	2.5	3.0	3.3	3.4	3.2	2.9	2.8	2.7	2.8	2.9	2.9	2.8	3.2	2.8	2.6	2.8	2.7	2.6	4.0	2.2	2.82	24	7.4
18	2.1	4.1	3.7	2.0	2.1	2.5	2.7	2.8	2.7				3.2	2.9	3.0	3.6	2.9	2.7	2.8	3.2	3.5	3.3	3.5	3.9	3.00	21	13.2
19	3.6	2.8	2.4	2.3	2.5	3.0	4.0	4.8	3.9	3.8	3.5	3.1	2.9	2.8	2.6	3.1	3.3	2.9	2.6	3.1	2.7	3.8	5.4	3.1	3.23	24	13.8
20*	2.5	2.3	2.2	2.3	3.2	3.7	2.8	2.5	2.6	2.5	2.5	3.1	2.8	2.5	2.5	2.5	2.9	3.1	2.9	3.0	3.3	3.0	3.1	2.9	2.77	24	5.5
21*	4.8	5.4	4.9	4.0	3.2	2.8	2.8	2.4	2.2	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.3	2.7	2.7	2.7	2.9	2.6	2.78	24	6.2
22	2.3	2.4	2.6	2.2	2.3	3.2	4.2	4.3	3.3	2.6	2.7	2.7		2.5	2.7	3.2	2.6	2.3	2.9	2.6	2.3	2.6	2.8	2.5	2.77	23	5.9
23	2.0	2.1	1.7	1.8	1.9	2.9	3.2	3.0	2.5	2.4	2.8	3.0	3.5	3.6	3.9	2.4	3.8	3.2	2.9	3.3	3.0	3.1	3.0	2.6	2.80	24	6.6
24	2.9	3.6	2.7	2.0	3.0	4.9	4.7	5.3	4.4	4.0	4.5	3.4	3.0	2.8	3.2	3.3	2.8	2.7	2.5	2.5	3.0	2.8			3.34	22	6.3
25																											
26		2.0	1.8	1.9	2.0	3.1						2.4	2.6	2.8	3.2	3.2	3.4	3.3	2.7	3.4	4.4	3.5	3.8	4.4	2.99	18	6.5
27*																											
28*																											
29																											
30		3.8	3.7	2.7	2.4	2.9	3.3	3.6	3.1	2.7					2.3				2.1	2.2	2.3		4.3	2.6	2.92	15	8.0
31	2.4	2.3	2.0	2.1	2.1	2.5	2.8	3.4	3.2	2.9	2.7	2.4	2.4				2.8	2.5	2.4	2.6	2.9	5.3	3.5	3.2	2.77	21	11.8
MEAN	3.2	3.1	2.8	2.5	2.6	3.1	3.3	3.5	3.2	3.0	3.0	2.9	2.9	2.9	3.0	3.0	3.1	2.9	2.8	3.0	3.1	3.4	3.6	3.3	3.04		
NO.	21	23	23	23	23	23	22	22	23	22	20	20	22	22	22	22	23	23	24	24	23	22	23	23		538	
MAX	5.7	7.3	5.6	4.0	3.5	4.9	4.7	5.3	5.2	4.0	4.5	4.2	3.7	3.9	4.4	3.9	4.4	4.4	5.3	5.5	4.9	5.3	5.4	5.4	3.96		14.3

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-56

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CHICAGO, ILL.

TOTAL HYDROCARBON
AUG. 1968

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1	5.4	2.4	2.3	2.1	2.1	2.9	3.1	3.5	3.2	2.9	2.9	2.6	2.6	2.8	3.0	2.8	2.9	2.7	2.6	2.6	2.6	2.2	2.0	2.3	2.76	24	12.7
2	3.8	5.4	6.0	3.6	4.0	3.8	3.6	3.6	3.1	2.4		2.5	2.5	2.6	2.9	2.6			2.9	3.3	4.0	3.5	2.9	4.0	3.45	21	8.2
3*	3.5	3.2	3.0	3.1	3.4	3.9	3.9	4.4	4.1	4.5	3.5	3.3	3.1	2.9	2.9	3.0	3.3	3.2	2.9	3.5	3.6	4.3	5.5		3.60	23	7.6
4*	4.3	3.2	3.6	3.9	3.4	2.7	3.4	3.3	3.1	3.0		2.9		3.1	2.9		3.1	2.7	2.5	3.0	3.8	4.3	4.8	3.2	3.30	22	5.9
5			2.9		2.2	2.9	3.9	4.5	3.9	3.3	3.8	4.0	3.0	3.3	3.0		2.4	2.2	2.1	2.1	2.1	2.1	2.0	1.8	2.86	20	5.6
6	4.4	1.8	1.6	1.3	1.9	1.9	2.3	2.4	2.0	2.9	5.9	3.4	3.2	2.5	2.4	2.2	1.8	1.4	1.5	1.4	1.6	0.8	2.4	2.4	2.27	24	8.3
7	2.7	1.0	0.7	0.8	0.4	1.3	3.4	2.4	2.6	4.4	8.5	8.5	4.3				3.8	2.6	2.0	1.9	2.2	2.0	1.8	1.7	2.80	21	14.0
8	1.1	0.9	0.8	0.7	1.9	3.8	5.4	3.9	3.5	3.1	2.9	2.4	2.6	3.0	2.3	1.9	1.9	2.6	3.1	2.9	2.8	2.9	3.1	2.8	2.58	24	6.2
9	3.2	3.4	3.1	2.7	2.7	9.6	6.9				3.2	3.8	4.0	4.0	3.2	3.2	3.3	3.0	2.4	2.2	3.0	2.8	2.4	2.3	3.34	21	8.2
10*	1.8	2.0	1.2	1.1	1.0	1.2	1.3	1.3	1.4	1.5	1.7	1.7	1.6	1.6	1.8	2.4	1.8	1.7	1.7	1.6	2.2	2.2	2.1	1.9	1.64	24	4.0
11*	1.7	1.9	2.1	1.7	1.4	1.5	1.5	1.3	1.0	1.0	1.1	1.0	1.1	1.3	1.5	1.7	1.6	1.7	1.3	1.5		1.2			1.42	21	2.8
12																											
13																											
14																											
15																											
16																											
17*																											
18*																											
19																											
20		4.3	1.7	1.5	1.5	2.1	3.0	2.4	2.3	2.3	2.4	2.4	2.4	2.7	3.8	3.8	4.0	2.6	2.3	2.8	3.0	3.8	4.4	2.8	2.79	23	6.3
21	2.2	2.5	2.5	2.4	2.5	3.3	3.8	4.2	2.8				3.2	2.9	2.9	3.0	2.7	2.5	2.7	3.1	3.0	2.7	2.6	2.2	2.83	21	4.9
22	4.4	5.2	2.2	2.2	2.2	2.6	3.4	3.9	3.0	2.4	2.5	2.5	2.6	2.8	2.8	2.9	2.9	2.5	2.5	2.4	2.4	2.5	2.7	2.6	2.82	24	15.7
23	2.6	2.5	2.7	2.8	2.9	3.5	4.4	4.6	3.7	3.3	3.0	2.7	2.7				3.2	2.7	2.8	3.2	3.1	3.7	3.2	2.6	3.12	21	5.4
24*	2.4	2.2	2.0	4.6	2.3	2.1	2.1	2.0	1.9	1.8	1.6	2.2	1.9	1.6	1.7	1.6	1.6	1.6	1.7	1.6	1.7	1.7	1.7	1.7	1.96	24	9.8
25*	1.6	1.4	1.4	1.4	1.4	1.3	1.4	1.4	1.7	1.8	1.5	1.6	1.7	2.1	2.6	3.0	3.1	2.8	2.8	2.9	2.6	2.6	2.4	2.3	2.02	24	4.3
26	1.9	1.7	1.5	1.6	2.0	2.6	3.7	3.6		2.5	2.7	2.9	2.7	2.5		3.3	3.7	2.9	2.4	2.3	2.2	2.4	2.0	2.0	2.49	22	5.0
27	1.7	1.6	3.2	2.4	1.6	2.9	4.2	3.7	3.1	2.5	2.5	2.2	2.0	2.3	2.6	3.4	3.1	2.4	2.3	2.5	2.4	2.6	2.3	2.9	2.58	24	9.5
28	1.8	2.0	4.7	6.0	5.9	7.1	7.5	3.7	2.7	2.0	2.2	2.7	2.2			4.2	4.2	4.7	4.9	4.1	3.8	4.3	4.1	4.1	4.02	22	9.2
29	3.7	2.4	2.1	2.0	2.8	6.2	4.8	4.5	4.0	4.4	3.1	2.5	2.2			3.4	3.8	3.1	3.0	2.9	3.2	3.3	3.8	4.3	3.39	24	9.5
30	2.7	2.4	1.7	3.0	3.4	4.1	3.4	4.0	3.7	3.3	2.3	2.7	2.3	2.5	3.4	3.7	3.8	3.1	4.0	3.9	4.0	4.2	4.6	3.0	3.49	23	13.3
31*	3.6	4.2	2.5	2.3	2.3	2.7	2.6	3.9	4.8	3.7	3.2	3.0	2.3		4.1	4.9	5.1	3.8									
													3.0	3.2	3.0	3.2	4.1	3.1	3.0	3.1	2.4	2.4	2.4	2.4	3.07	24	7.5
MEAN	2.9	2.6	2.4	2.4	2.4	3.1	3.6	3.3	2.9	2.8	3.0	2.9	2.6	2.6	2.8	3.0	3.0	2.6	2.6	2.6	2.8	2.8	3.0	2.6	2.80	521	
NO	21	22	23	22	23	23	23	22	21	21	20	22	22	19	19	20	22	22	23	23	22	23	22	21			
MAX	5.4	5.4	6.0	6.0	5.9	7.1	7.5	4.6	4.8	4.5	8.5	8.5	4.3	4.0	4.1	4.9	5.1	4.7	4.9	4.1	4.0	4.3	5.5	4.3	4.02		15.7

TABULATED WED., SEP. 10, 1969

* Indicates Saturday or Sunday
Local standard time used

Table 3-57

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U.S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
SEPT. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5 MIN MAX
1*	2.4	2.3	2.0	1.8	1.8	1.9	1.9	2.1	2.1	2.2	2.2	2.3	2.0	1.8	1.9	1.9	1.8	2.0	2.1	2.2	2.2	2.2	2.5	2.3	2.06	24	3.0
2	1.9	1.8	1.8	1.9	1.7	2.0	2.3	2.1	2.0	1.5	1.4	1.4	1.4	1.5	1.6	1.6	2.0	3.0	2.4	2.7	2.4	3.0	2.5	2.1	1.99	24	4.3
3	1.9	2.3	2.9	2.4	2.4	3.1	3.2	3.5	3.2	3.0	2.6	2.3	2.4	2.4	2.6	2.8	3.2	3.1	2.7	2.9	2.9	3.1	3.0	3.3	2.76	24	5.1
4	2.8	2.4	2.4	2.4	2.6	3.7	4.1	4.6	3.4	3.0	2.8	2.5	2.5			3.0	3.4	3.0	3.2	2.8	2.6	3.5	3.7	3.6	3.08	22	9.9
5	2.1	2.1	1.9	1.8	1.9	2.5	3.5	3.9	3.8	3.7	2.8	2.6	2.2	2.5	2.7	2.4	3.1	2.6	2.1	2.5	2.6	2.8	2.7	2.7	2.63	24	5.7
6	2.4	1.9	1.8	2.2	2.9	3.0	3.5	3.1	3.0	2.4	2.2	2.1	2.1		2.5	3.1	3.3	2.8	3.3	6.6	3.9	3.8	5.0	3.8	3.05	23	16.8
7*	6.1	3.3	3.1	3.5	4.6	5.2	5.0	3.2	2.8	3.1	2.7	2.6	2.6	2.4	2.5	2.7	2.6	2.6	2.8	2.7	2.7	2.8	2.7	2.8	3.20	24	11.7
8*	2.6	2.4	2.3	2.2	2.2	2.5	2.4	2.2	2.0	2.0	1.9	1.9	1.9	2.0	1.9	2.0	2.2	2.4	2.7	3.1	2.4	3.0	2.7	2.4	2.31	24	3.7
9																											
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25																											
26																											
27																											
28*		2.1	1.8	1.7	1.7	3.1	5.3	4.6	2.2	2.1	2.3	2.5	2.4	2.4	2.6	2.5	2.2	2.0	1.9	1.8	2.5	2.9	4.4	4.5	2.66	23	6.2
29*	6.0	3.9	3.9	6.0	5.0	3.4	3.2	3.1	2.8	2.1	1.8	1.8	1.9	1.9	1.9	2.1	2.2	2.0	2.4	2.3	2.5	2.7	2.6	2.7	2.91	24	6.9
30	2.2	2.4	2.2	3.0	2.7	3.5	4.9	4.8	3.4	3.1	2.8	3.1	2.6				3.5	3.3	3.2	2.8	2.7	2.3	2.1	5.6	3.14	21	13.3
MEAN																											
NO.	10	11	11	11	11	11	11	11	11	11	11	11	11	8	9	10	11	11	11	11	11	11	11	11		297	
MAX	6.1	3.9	3.9	6.0	5.0	5.2	5.3	4.8	3.8	3.7	2.8	3.1	2.6	2.5	2.7	3.1	3.5	3.3	3.3	6.6	3.9	3.8	5.0	5.6	3.20		16.8

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

Table 3-58

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

CHICAGO, ILL.

TOTAL HYDROCARBON
OCT. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1	2.1	1.8	1.5	1.5	1.5	2.0	2.5	2.4	2.4	2.3		2.2	2.2	2.3	2.3	2.5	2.8	2.5	2.5	2.3	2.0	1.7	1.6	2.6	2.15	23	4.7
2	1.6	1.4	1.3	1.4	1.6	2.0	2.3	2.4	2.4	2.1	2.1	1.8	1.9	1.9	2.0	2.2	2.0	2.0	2.2	2.3	5.1	2.6	2.0	1.6	2.08	24	17.3
3	1.4	1.3	1.3	1.3	1.3	1.5	2.0	2.1	2.0	1.8			1.8	2.0	2.0	2.2	2.3	2.0	1.8	1.8	1.8	1.7	1.6	1.6	1.74	22	2.7
4	2.0	1.5	1.3	1.3	1.3	1.8	2.4	2.7	2.4	2.1	2.3	2.2	2.5	2.3	2.4	2.8	2.5	2.5	2.5	2.3	2.6	2.3	4.0	7.3	2.46	24	12.6
5*	7.2	6.3	4.1	2.8	3.0	3.4	4.1	3.8	3.2	2.2	2.1	2.1	3.0	2.0	2.0	2.3	1.9	1.8	1.9	1.9	1.8	2.0	2.0	2.2	2.86	24	10.9
6*																											
7																											
8																											
9		2.5	1.7	1.8	1.6	2.0	2.3	2.4	2.9	2.6	2.6	2.7	2.6	3.0	3.3	3.2	2.8	2.1	1.8	1.6	1.6	1.5	1.4	1.3	2.22	23	3.8
10	2.1	1.5	1.3	1.3	1.4	4.4	5.3	3.1				2.3	2.2	2.4			3.7	3.3	3.8	4.3	3.9	3.9	4.1	3.9	2.94	19	12.9
11	6.0	3.8	2.6	2.3	3.6	4.6	5.4	4.6	3.4	2.4	2.2		2.3	2.2	2.4	2.5	2.6	1.6	1.5	3.8	3.9	3.8	3.6	3.2	3.22	23	10.8
12*	3.9	3.2	2.2	2.0	2.0	3.1	3.1	3.6	3.6	3.7	3.3	5.3	4.5	3.1	2.8	3.5	4.4	4.9	4.4	4.0	4.3	4.6	3.8	3.9	3.63	24	11.8
13*	2.7	2.9	2.8	2.5	2.7	2.7	2.3	2.5	2.1	2.0	2.1	2.0	2.2	2.4	2.3	2.3	2.2	2.8	2.8	2.7	2.9	2.9	2.7	2.3	2.48	24	3.6
14	2.0	1.9	1.8	1.8	2.0	2.7	3.6	3.6			2.5	3.0	3.0	3.0	3.4	3.5	3.8	3.7	3.2	3.1	2.9	2.7	4.0	4.5	2.98	22	14.5
15	3.4	2.2	1.9	1.8	2.0	2.6	3.1	3.5	3.3	3.0	2.9	2.8	2.7	3.0	3.2	3.6	3.6	3.4	2.6	2.5	2.3	2.2	2.1	2.0	2.72	24	6.3
16	1.8	1.8	1.9	2.2	1.9	2.7	3.2	4.0	3.3	3.1	2.9	3.0	3.1	2.8	2.9	2.9	2.9	2.8	2.6	2.4	2.1	2.2	2.3	2.0	2.59	24	5.1
17	1.8	1.8	1.8	1.9	1.6	2.5	2.5	2.6	2.5	2.6	2.3	2.4	2.3	2.4	2.6	3.0	3.0	2.4	1.9	1.9	2.0	2.1	1.8	1.7	2.21	24	3.7
18	1.6	1.6	1.6	1.6	1.8	2.1	2.7	2.8	2.6			2.2	2.2	2.1	2.3	2.3	2.4	2.3	2.5	2.3	2.7	4.2	3.2	1.9	2.32	22	8.1
19*	1.8	1.8	1.5	1.5	1.5	1.6	1.9	2.3	2.1	2.1	2.1	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.3	2.4	2.2	2.3	2.2	2.1	1.98	24	3.1
20*	2.0	1.8	1.7	1.6	1.6	1.8	2.0	2.0	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.1	2.0	2.0	2.4	2.6	2.3	3.1	4.1	4.1	2.17	24	4.7
21	3.7	3.3	3.2	3.3	3.5	5.0	6.7	5.1	4.2	3.7	3.1	2.4			3.2	2.7	3.1	4.3	2.6	2.4	2.1	2.0	1.9	3.2	3.39	22	8.0
22	2.6	1.7	2.1	2.0	2.0	2.4	2.3	2.7	2.1	2.2	2.0	2.0	2.0	2.0	2.1	2.3	2.5	2.1	1.9	2.1	2.3	3.3	2.2	2.0	2.20	24	5.5
23	1.7	1.7	1.7	1.7	1.8	2.4	3.2	4.2			3.1	2.5	2.4	2.4	2.3	2.4	2.6	2.3	2.1	2.4	2.4	2.6	2.5	2.8	2.42	22	5.3
24	2.2	2.2	1.9	1.9	2.3	3.1	4.2	4.1	3.8	3.0	3.0	2.9	3.0	2.9	3.4	3.2	3.5	3.1	2.5	2.7	3.9	2.3	3.1	3.8	2.97	24	8.1
25	1.9	1.7	1.6	1.6	1.7	2.8	3.6	4.1	3.6			2.9	2.7	3.0	4.2	3.6	3.6	2.9	2.6	2.6	2.3	2.4	2.3	2.4	2.71	22	7.1
26*	4.0	2.6	1.8	1.9	1.9	2.3	2.9	2.5	2.6	2.5	2.3	2.2	2.3	2.8	2.4	2.3	2.2	2.3	2.5	2.6	2.5	2.2	2.1	1.9	2.39	24	7.0
27*	1.9	1.7	1.6	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.5	1.6	1.6	1.6	1.7	1.7	1.7	1.6	1.6	1.7	1.6	1.6	1.5	1.4	1.56	24	2.2
28	1.3	1.2	1.3	1.3	1.6	2.3	3.1	2.8	2.3	2.3	2.3	2.4					3.3	3.5	2.9	2.5	2.3	2.1	2.0	2.1	2.24	20	4.5
29	2.0	1.9	1.8	1.9	1.9	1.9	2.4	2.9	3.0	2.7	2.3	2.2	2.1	2.0	2.1	2.4	2.6	2.6	2.6	2.3	2.5	2.4	2.2	2.1	2.27	24	3.6
30	1.9	1.7	3.9	5.8	5.3	4.0	4.3	4.0	2.9	2.5	2.4	2.4	2.4	2.4	2.7			2.5	2.6	2.1	2.0	2.0	2.3	2.2	2.91	22	6.8
31	2.1	2.9	3.1	3.3	1.9	1.8	2.6	3.1	3.4	3.2	3.0	3.4	3.3	3.3	3.4	4.0	5.8	6.9	4.9	5.1	4.1	2.9	2.6	2.3	3.43	24	12.0
MEAN	2.5	2.2	2.0	2.0	2.1	2.5	3.1	3.1	2.8	2.5	2.4	2.5	2.5	2.4	2.6	2.7	2.9	2.8	2.6	2.6	2.6	2.5	2.5	2.7	2.54		
NO	27	28	28	28	28	28	28	28	25	23	23	26	26	26	26	25	27	28	28	28	28	28	28	28		646	
MAX	7.2	6.3	4.1	5.8	5.3	5.0	6.7	5.1	4.2	3.7	3.3	5.3	4.5	3.3	4.2	4.0	5.8	6.9	4.9	5.1	5.1	4.6	4.1	7.3	3.63		17.3

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-59

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM

FLAME IONIZATION ANALYSIS

CHICAGO, ILL.

TOTAL HYDROCARBON
NOV. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1	3.8	2.2	2.1	2.1	2.1	2.2	2.4	2.7	2.7			
2*	2.7	2.2	1.9	1.8	2.0	2.0	2.1	2.5	2.9	2.5	2.5	2.2
3*	2.4	2.1	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.9	1.8	1.9
4	2.0	1.8	1.8	1.8	1.8	2.3	3.3	3.7	2.9	2.2	2.2	2.5
5	1.8	1.7	1.9	2.1	2.4	3.0	3.5	4.0	3.2	3.1	2.7	2.5
6	2.3	1.9	1.7	1.6	1.6	1.7	3.2	3.7	3.9	3.6	3.3	3.0
7	2.1	1.7	1.6	1.9	1.5	1.6	2.3	2.8	3.0	2.9	2.6	2.5
8												
9*												
10*												
11												
12												
13												
14												
15												
16*		1.9	1.8	1.7	1.6	1.7	1.9	2.1	2.4	2.5	2.6	2.8
17*	2.2	2.0	1.9	1.9	1.8	1.7	1.8	1.9	1.9	1.9	2.0	2.0
18	2.0	1.8	1.9	1.8	1.8	1.8	2.1	2.4	2.5	2.4	2.4	2.3
19	2.1	1.9	1.8	1.7	1.7	1.7	2.0	2.2	2.3	2.3	2.2	2.1
20	1.9	1.8	1.7	1.7	1.7	1.8	2.0	2.3	2.4	2.2	2.2	2.0
21	2.1	2.7	2.2	1.8	1.8	1.9	2.1	2.2	2.3	2.3	2.4	2.4
22	3.1	1.9	1.8	1.8	1.8	1.9	2.4	3.0	3.1			4.5
23*	2.5	4.0	2.2	2.2	2.1	2.1	2.2	2.3	2.4	2.3	2.3	2.3
24*	2.0	1.8	1.7	1.8	1.7	1.8	1.8	1.8	1.8	1.7	1.9	1.9
25	2.2	2.0	1.9	1.7	1.7	1.8	2.6	3.0	3.5	3.0	3.0	2.7
26	1.8	1.7	1.6	1.5	1.6	2.0	2.6	3.0	3.5	3.1	2.4	2.3
27	2.1	1.9	1.8	1.7	1.6	1.6	2.7	3.3	3.1	2.3	2.1	2.2
28	2.6	2.1	2.1	1.8	1.8	1.7	1.8	2.1	1.8	1.8	2.0	1.8
29	1.8	1.7	1.7	1.7	1.7	1.8	2.2	2.6	4.0	2.5	2.5	2.3
30*	2.7	6.9	2.4	2.3	2.2	2.2	2.1	2.2	2.3	2.2	2.4	2.5
MEAN	2.3	2.3	1.9	1.8	1.8	1.9	2.3	2.6	2.7	2.4	2.4	2.4
NO.	21	22	22	22	22	22	22	22	22	20	20	21
MAX	3.8	6.9	2.4	2.3	2.4	3.0	3.5	4.0	4.0	3.6	3.3	4.5

DAY OF MONTH	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1	2.4	2.5	2.6	2.8	3.0	3.1	2.9	2.7	2.5	2.4	4.4	3.3	2.69	21	9.1
2*	2.2	2.3	2.4	2.4	3.5	3.2	2.6	2.3	2.6	2.5	2.5	2.7	2.44	24	3.8
3*	2.1	2.1	2.5	2.4	2.7	2.3	2.4	2.4	2.5	2.1	2.3	2.1	2.10	24	3.2
4	2.6			3.2	3.1	3.1	4.3	2.4	2.3	2.6	2.1	2.0	2.53	22	14.1
5	2.3	2.3	2.6	3.2	3.3	3.2	2.4	2.2	2.2	2.1	2.2	2.4	2.58	24	5.4
6	2.9			3.3	3.8	3.9	3.2	2.4	2.2	2.4	2.3	2.1	2.71	22	5.2
7	3.1	2.7	3.1	3.7	3.8	3.7	3.0	2.9	3.4	3.2	2.4	2.1	2.62	24	7.9
8															
9*															
10*															
11															
12															
13															
14															
15															
16*		3.7	3.7	3.4	3.5	3.3	2.8		2.4	2.5	2.8	2.5	2.54	21	4.1
17*	2.0	2.0	2.3	2.3	2.3	2.5	2.3	2.2	2.1	2.2	2.1	2.0	2.05	24	3.6
18	2.3	2.0				3.4	2.8	2.6	2.6	2.7	2.1	2.4	2.28	21	4.8
19	2.1	2.2	2.1	2.3	2.5	2.4	2.2	2.0	2.2	2.1	2.1	2.1	2.08	24	3.5
20	2.0	2.0	2.2			2.6	2.4	2.3	2.5	2.3	2.2	3.0	2.13	22	6.4
21	2.3	2.5	2.5	2.8	2.9	3.0	2.5	2.1	2.0	2.0	2.2	2.1	2.28	24	3.9
22	3.7	3.2	3.1	3.2	3.7	3.9	3.4	2.9	2.9	2.6	3.4	2.7	2.90	22	7.0
23*	2.4	3.1	2.7	2.5	2.5	2.4	2.2	2.0	2.2	1.9	1.9	2.0	2.35	24	6.6
24*	1.9	1.7	1.8	1.8	2.2	2.4	2.2	2.3	2.1	2.1	2.0	2.1	1.92	24	2.7
25	2.2			2.9	3.0	2.8	2.2	2.4	2.9	3.4	2.3	2.0	2.50	22	4.2
26	2.2	2.3	2.3	2.5	3.2	3.4	2.7	2.3	2.4	2.4	2.2	2.2	2.38	24	4.7
27	2.1	2.1		3.4	3.3	3.9	3.1	2.4	2.4	2.4	2.4	3.0	2.46	23	5.2
28	1.8	1.9	2.0	2.1	2.1	2.1	1.9	2.1	2.3	2.0	2.2	2.1	1.98	24	3.6
29	2.3	2.3		2.9	2.7	2.9	2.6	2.3	2.4	2.5	2.4	2.3	2.34	23	14.4
30*	2.4	2.6	2.5	2.5	3.0	2.8	2.9	3.2	3.3	3.0	3.0	2.7	2.75	24	15.2
MEAN	2.3	2.4	2.5	2.8	3.0	3.0	2.7	2.4	2.5	2.4	2.4	2.3	2.39		
NO.	21	19	16	20	20	22	22	21	22	22	22	22		507	
MAX	3.7	3.7	3.7	3.7	3.8	3.9	4.3	3.2	3.4	3.4	4.4	3.3	2.90		15.2

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-60

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
FLAME IONIZATION ANALYSIS

TOTAL HYDROCARBON
DEC. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1*	2.5		2.3	2.3	2.2	1.8	1.8	1.7	1.7	1.7	1.8	2.0	2.0	2.8	3.3	2.6	2.7	2.8	2.6	2.1	2.0	2.0	2.6	2.5	2.23	23	4.1
2	2.5	2.5	2.5	2.3	2.3	2.3	2.6	3.5	3.5	3.6	3.3	3.0	3.1	3.3			3.7	4.1	4.2	3.6	3.0	2.9	3.2	3.3	3.08	22	5.6
3	5.9	3.6	3.1	3.1	3.1	2.9	3.7	4.3	3.9	3.3	2.8	2.8	2.5	2.4	2.5	2.6	2.8	3.0	2.4	2.3	2.3	2.2	2.2	2.2	2.99	24	12.2
4	2.1	2.2	2.0	1.9	1.8	1.9	2.2	2.2	2.7	2.5	2.4	2.2	2.4	2.5	2.6	2.8	2.9	3.0	2.6	2.4	2.5	2.3	2.0	2.5	2.34	24	3.8
5	1.8	1.7	1.7	1.7	1.7	1.7	1.8	2.0	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.3	2.3	2.2	2.1	2.1	2.0	2.0	2.1	1.98	24	2.7
6	2.1	2.3	1.9	1.8	1.8	1.9	2.1	2.3	2.5	2.3	2.4	2.4	2.3	2.4	2.6	2.5	2.5	2.6	2.5	2.4	2.4	2.5	3.9	2.6	2.35	24	13.2
7*	2.4	2.1	2.5	2.2	2.1	2.1	2.1	2.3	2.4	2.4	2.4	2.4	2.4	2.6	2.4	2.4	2.3	2.3	2.3	2.2	2.4	2.2	2.2	2.3	2.29	24	4.4
8*	2.3	2.1	2.1	2.0	2.0	2.0	2.0	2.1	2.1	2.2	2.1	2.1	2.1	2.3	2.4	2.3	2.7	2.5	2.3	2.6	2.6	2.6	2.6	3.0	2.28	24	3.4
9	3.3	2.9	3.1	3.1	2.8	3.1	3.0	3.6	3.7	3.6	3.6	3.4	3.0			2.5	2.3	2.4	2.3	2.1	2.1	2.1	1.9	1.8	2.79	22	4.9
10	1.9	1.9	1.8	1.7	1.9	2.0	2.1	2.0	2.0	2.0	2.3	2.2	1.9	2.0	2.1	2.0	2.4	2.8	2.2	2.3	2.3	2.4	2.4	2.2	2.10	24	3.4
11	2.0	2.0	1.9	1.9	2.0	2.0	2.3	2.9	2.9	2.8	2.9	3.0	2.5	2.6	2.7	2.7	3.0	2.9	2.4	2.5	2.5	2.4	2.9	2.4	2.50	24	4.3
12	2.4	2.1	2.1	2.1	2.0	2.0	2.3	2.5	2.5	2.6	2.5	2.4	2.5	2.5	2.6	2.5	2.6	2.6	2.3	2.1	2.1	2.1	2.3	2.1	2.32	24	3.3
13	2.2	2.4	2.1	1.9	1.9	1.9	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.1			2.6	2.7	2.4	2.3	2.3	2.2	2.1	2.2	2.18	22	3.7
14*	2.2	2.2	2.2	2.3	2.1	2.1	2.2	2.2	2.4	2.4	2.5	2.5	2.6	2.6	2.8	3.3	2.9	2.8	2.6	2.6	2.8	2.4	2.4	2.6	2.47	24	4.8
15*	2.5	4.4	2.3	2.2	2.2	2.3	2.3					2.3	2.4	2.6	2.6	2.7	2.8	2.9	2.8	2.6	2.5	2.5	2.6	2.3	2.48	20	3.4
16	2.3	2.3	2.2	2.2	2.2	2.2	2.5	2.9	2.8	2.8	2.8	2.6	2.6	2.5		2.8	3.0	3.2	2.8	2.8	2.6	2.6	2.7	2.8	2.61	23	4.1
17	5.0	2.7	2.8	2.8	2.9	3.1	3.6	3.7	2.8	2.8	2.7	2.5	2.9	2.5	2.7	2.7	2.8	2.7	2.6	2.4	2.4	2.3	2.5	2.4	2.84	24	8.8
18	2.3	2.3	2.2	2.2	2.1	2.3	2.9	2.8	2.7			3.1	2.6	2.5	2.7	2.7	3.0	3.2	3.4	2.8	3.0	2.5	2.3	2.5	2.62	22	4.5
19	2.0	1.8	1.8	1.8	1.9	2.1	2.4	2.8	3.0	2.7	2.6	2.6	2.6	2.5	2.6	2.7	2.6	2.5	2.3	2.1	2.1	2.1	2.0	2.0	2.31	24	3.5
20	2.1	2.3	1.9	2.0	2.0	1.9	2.0	2.6	2.5			2.5	2.3	2.2	2.3	2.6	2.6	2.7	2.6	2.4	2.1	2.2	2.4	2.5	2.30	22	3.4
21*	2.5	4.6	2.4	2.2	2.1	2.2	2.2	2.3	2.4	2.5	2.8	2.9	2.8	2.3	2.3	2.4	2.5	2.3	2.2	2.2	2.5	2.3	2.2	2.4	2.38	24	3.3
22*	2.1	1.9	1.9	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.9	2.1	2.3	2.4	2.4	2.5	2.3	2.0	1.9	1.8	1.9	1.8	1.7	1.7	1.93	24	2.8
23	1.8	1.7	1.7	1.7	1.7	1.7	2.0	2.1	2.3	2.1	2.0	2.2	2.4			2.7	2.7	2.9	2.5	2.3	2.3	2.3	2.3	2.4	2.15	22	3.2
24	2.5	4.6	3.1	2.2	2.2	2.2	2.4	2.5	2.8	2.6	2.5	2.7	2.9	2.7	2.8	2.9	2.7	2.6	2.5	2.6	2.3	2.3	2.3	2.4	2.54	24	5.3
25	2.4	2.2	2.1	2.1	2.0	2.1	2.1	2.2	2.2	2.1	2.2	2.2	2.2	1.8	1.8	1.9	2.0	2.6	3.1	2.9	2.5	2.4	2.4	2.1	2.23	24	3.8
26	1.9	2.1	1.8	1.7	1.7	1.7	1.9	2.1	2.3	2.3	2.3	2.2	2.2	2.5	2.6	2.8	2.8	2.8	2.5	2.3	2.4	2.2	2.2	2.6	2.24	24	4.9
27	2.7	2.8	2.7	2.8	2.5	2.4	3.1	3.5	3.6			3.8	4.9	5.1	7.1	6.1	6.5	7.1	5.5	5.2	4.7	3.6	3.1	3.4	4.18	22	8.7
28*	2.7	2.5	2.3	2.1	2.0	1.8	1.9	2.0	2.3	2.4	2.2	2.3	2.3	2.6	2.3		2.4	2.5		2.1	2.2	2.2	2.1	2.4	2.25	22	3.4
29*	2.4	2.1	1.9	1.8	1.8	1.8	1.8	1.9	2.0	1.8	1.9	1.9	2.0	2.1	2.2	2.3	2.5	2.6	2.7	2.5	2.3	2.4	2.4	2.4	2.14	24	3.3
30	2.3	2.0	1.8	2.0	1.9	1.9	2.3	2.4	2.3	2.4	2.4	2.3	2.2	2.1	2.3		3.5	3.6	3.2	2.8	2.4	2.4	2.1	2.0	2.37	23	4.0
31	2.1	2.1	2.0	2.5	2.3	1.9	2.1	2.2	2.3	2.3	2.1	2.1	2.2	2.3	2.4	2.4	2.4	2.3	2.0	2.0	2.1	2.4	2.0	1.8	2.17	24	3.0
MEAN	2.5	4.3	2.2	2.1	2.1	2.1	2.3	2.5	2.5	2.4	2.4	2.5	2.5	2.5	2.7	2.7	2.8	2.9	2.7	2.5	2.4	2.3	2.4	2.4	2.43		
N=	31	30	31	31	31	31	31	30	30	27	27	31	31	29	26	27	31	31	30	31	31	31	31	31		721	
MAX	5.9	3.6	3.1	3.1	3.1	3.1	3.7	4.3	3.9	3.6	3.6	3.8	4.9	5.1	7.1	6.1	6.5	7.1	5.5	5.2	4.7	3.6	3.9	3.4	4.18		13.2

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-61

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM

POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
JAN. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO. OF HRS	5 MIN MAX
1																											
2																											
3																											
4																											
5																											
6*																											
7*																											
8																											
9																											
10																											
11																											
12																											
13*																											
14*																											
15																											
16																											
17																											
18																											
19																											
20*																											
21*																											
22																											
23	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00			.000	14	.00
24																											
25		.00		.00	.00	.00	.00	.00	.00	.00			.00	.00			.00	.00	.00						.000	13	.00
26																											
27*		.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.000	20	.02
28*	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01			.04	.04	.02	.02	.01	.01	.00	.00	.007	21	.08
29	.00	.00		.00	.00	.00	.00	.01	.01	.01	.01	.02	.02	.02											.008	13	.04
30																											
31																											
MEAN																											
NO	3	5		5	5	5	5	5	5	5	4	4	5	5			4	4	4	3	3	3	2	2		86	
MAX	.00	.00		.00	.00	.00	.00	.01	.01	.01	.01	.02	.02	.02			.04	.04	.02	.02	.01	.01	.00	.00	.008		.08

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-62

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
FEB. 1968

DAY OF MONTH	A.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P.M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1																											
2																											
3*																											
4*																											
5																											
6																											
7																											
8																											
9		.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.000	20	.00
10*	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.00
11*	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.00
12	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.00
13	.00	.00		.00	.00	.00	.00	.00	.00	.00							.00	.00		.00	.00	.00	.00	.00	.000	16	.00
14	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00											.000	13	.00
15																											
16		.00		.00	.00	.00	.00	.00	.00	.00	.00						.00	.00	.00	.00	.00	.00	.00	.00	.000	17	.00
17*	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
18*	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
19	.00	.00		.00	.00	.00	.00	.00	.00	.00								.00	.00	.00	.00	.00	.00	.00	.000	16	.00
20	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.00
21																											
22																											
23																											
24*		.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.01
25*	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01	.01	.02	.01	.00	.00	.00	.003	23	.04
26																											
27																											
28	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.00	.00	.00	.00	.00	.00	.00	.000	20	.01
29	.00	.00		.00	.00	.00	.00	.00	.00	.00			.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.000	19	.00
MEAN	12	15		15	15	15	15	15	15	15	12	11	12	12	4	4	12	14	13	14	14	14	14	14		296	
NO	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01	.01	.02	.01	.00	.00	.00	.003		.04
MAX																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-63

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

CHICAGO, ILL.

TOTAL OXIDANT
MARCH 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00					.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	19	.00
2*	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.00
3*	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
4	.00	.00		.00	.00	.00	.00	.00	.00								.02	.02	.02	.05	.08	.02	.01	.01	.013	16	.16
5	.01	.00		.00	.00	.00	.00	.01	.01	.01	.00	.00	.01	.02			.05	.04	.04	.03	.04	.03	.03	.02	.016	21	.08
6	.02	.02		.03	.02	.02	.04	.03	.03	.02	.02	.02	.02	.03			.03	.03	.02	.01	.02	.03	.03	.03	.024	21	.10
7	.03	.03		.03	.01	.00	.02	.02	.02	.02				.04	.05	.04	.05	.05	.05	.04	.05	.03	.01	.02	.029	20	.08
8	.00	.00		.00	.00	.00	.01	.01	.02	.03	.03	.04	.04	.04	.05	.05	.10	.09	.07	.09	.08	.07	.10	.09	.044	23	.16
9*	.06	.03		.03	.03	.02	.02	.02	.03	.03	.03	.03	.03	.04			.03	.03	.02	.03	.04	.03	.04	.04	.031	21	.09
10*	.03	.02		.02	.02	.02	.01	.01	.02	.02	.02	.03	.03	.02			.03	.02	.01	.02	.01	.01	.02	.01	.019	21	.05
11	.01	.01		.00	.00	.00	.01	.02	.02	.02	.01	.00	.00	.00			.01	.02	.02	.02	.02	.02	.02	.02	.011	21	.06
12	.02	.02		.02	.01	.01	.01	.02	.02	.01	.00						.00	.00	.00	.00	.00	.00	.00	.00	.008	18	.03
13	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.00
14	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00						.00	.00	.00	.00	.00	.00	.00	.00	.000	18	.00
15	.00	.00		.00	.00	.00	.00	.00	.01	.01	.01	.01	.00	.00			.04	.04	.03	.02	.02	.03	.03	.03	.014	21	.07
16*	.02	.01		.01	.00	.01	.01	.04	.05	.04	.02	.00	.01	.01	.02	.03	.02	.02	.02	.02	.03	.03	.06	.10	.024	23	.18
17*	.05	.04		.07	.05	.03	.03	.02	.04	.03	.03	.01	.02				.02	.02	.01	.01	.03	.04	.02	.01	.030	20	.11
18	.01	.01		.02	.01	.00	.01	.02	.03	.03		.02	.02	.02			.02	.02	.01	.02	.02	.02	.02	.02	.016	20	.04
19	.01	.01		.01	.01	.02	.03	.03	.04	.03	.02	.02	.03	.03			.03	.03	.03	.02	.01	.02	.01	.01	.020	21	.07
20	.01	.00		.00	.00	.00	.00	.00	.00	.00	.00	.01	.02	.03			.02	.02	.02	.02	.02	.02	.01	.01	.010	21	.05
21	.01	.01		.01	.01	.00	.02	.03	.04	.02	.02						.00	.00	.00	.00	.00	.00	.00	.00	.009	18	.07
22	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.01			.02	.01	.01	.00	.00	.00	.00	.00	.003	21	.04
23*	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
24*	.00	.00		.00	.00	.00	.00	.00	.00	.01	.01	.01	.01	.01			.01	.01	.00	.01	.00	.01	.00	.00	.004	21	.03
25	.00	.01		.00	.00	.00	.01	.01	.02	.01		.01	.02	.02		.02	.01	.02		.01	.01	.01	.02	.02	.011	20	.04
26		.01		.01	.01	.01	.02	.02	.03	.02	.03	.02	.03	.02			.02	.02	.03	.06	.09	.07	.06	.01	.029	20	.14
27	.01	.01		.02	.01	.01	.02	.03	.03	.02	.03	.04	.04	.04	.05	.04	.04	.04	.04	.03	.02	.02		.02	.027	22	.06
28	.02	.02		.01	.01	.01	.01	.02	.03				.02	.03	.03	.03	.02	.01	.01	.01	.01	.01	.01	.01	.015	20	.04
29	.01	.01		.01	.01	.02	.03	.04	.05	.03	.03	.03	.02	.01	.01	.02	.02	.02	.01	.00	.01	.00	.00	.01	.017	23	.06
30*	.00	.00		.01	.00	.00	.00	.00	.00	.01	.02	.03	.03	.03	.03	.04	.03	.02	.02	.03	.02	.02	.02	.02	.017	23	.05
31*	.02	.01		.01	.00	.00	.00	.01	.01	.02	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.00	.00	.00	.012	23	.05
MEAN	.01	.01		.01	.01	.01	.01	.01	.02	.01	.01	.01	.02	.02			.02	.02	.02	.02	.02	.02	.02	.02	.015		
NO	30	31		31	31	31	31	31	31	29	26	24	25	25	11	13	31	31	30	31	31	31	30	31		646	
MAX	.06	.04		.07	.05	.03	.04	.04	.05	.04	.03	.04	.04	.04	.05	.05	.10	.09	.07	.09	.09	.07	.10	.10	.044		.18

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-64

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

TOTAL OXIDANT
APRIL 1968

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

DAY OF MONTH	A M												P M												DAILY MEAN	NO OF HRS	5 MIN MAX
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12			
1	.00	.00		.00	.00	.00	.00	.01	.01			.02	.02	.02		.03	.04	.04	.04	.03	.04	.01	.01	.01	.016	20	.07
2	.01	.01		.00	.00	.00	.00	.00	.00	.00	.01		.02	.01	.03	.03	.04	.03	.03	.03	.02	.02	.02	.02	.014	22	.08
3	.01	.01		.01	.01	.01	.02	.03	.02	.03	.01						.02	.03	.02	.01	.02	.02	.01	.01	.017	18	.06
4	.01	.01		.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.01			.01	.02	.02	.01	.02	.01	.00	.00	.011	21	.03
5	.00	.00		.00	.00	.00	.00	.01	.01	.00								.02	.02	.02	.02	.01	.01	.00	.007	16	.04
6*	.00	.00		.00	.00	.00	.00	.00	.01	.01	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.01	.01	.01	.01	.013	23	.05
7*	.01	.01		.01	.01	.01	.01	.01	.02	.02	.03	.03	.04	.04			.04	.03	.03	.03	.03	.02	.01	.02	.021	21	.05
8	.00	.00		.00	.00	.00	.01	.01	.01	.01			.02	.02	.02		.02			.01	.00				.007	15	.03
9		.00		.00	.00				.02		.02	.02	.02	.01			.01	.00	.00	.00	.00		.00	.00	.007	15	.03
10																											
11	.02	.02		.01	.01	.01	.02	.01	.01	.00	.01	.02	.03	.03		.04	.04	.04	.03	.03	.03	.03	.02	.02	.021	22	.05
12	.02	.01			.01	.01	.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.02	.03	.02	.03	.04				.024	19	.06
13*							.03	.02	.03	.04	.04	.04	.06	.05	.03	.04	.04	.03	.02	.02	.02	.03	.02		.032	17	.10
14*																	.03	.02	.02	.02	.01	.02	.01	.02	.016	13	.04
15							.02	.02	.02	.01	.01														.019	13	.04
16	.01	.02		.01	.01	.01	.02	.02	.02	.03	.03	.03	.03				.03										
17							.03	.04	.04	.03				.04			.03	.03	.03	.03	.03	.03	.02	.02	.029	13	.06
18							.02	.02	.02	.02	.01						.03	.03	.02	.02	.02	.02	.02	.02	.018	18	.06
19	.02	.02		.02	.01	.01	.02	.01	.01	.02	.03	.02	.02	.02			.02	.01	.00	.01	.01	.01	.01	.01	.015	21	.03
20*	.01	.02		.03	.02	.02	.02	.02	.02	.02	.03	.03	.03	.03			.04	.03	.04	.03	.04	.04	.04	.03	.024	21	.06
21*	.01	.02		.01	.01	.01	.01	.01	.02	.02	.03	.03															
22																											
23																											
24																											
25																											
26																											
27*																											
28*												.04	.04	.06	.05	.05	.03	.04	.04	.02	.01	.02	.02	.02	.033	13	.09
29												.03	.03	.04			.05	.03	.03	.03	.03	.03	.03	.02	.032	21	.06
30	.03	.05		.04	.03	.04	.04	.04	.03	.02	.02																
MEAN		.01			.01		.02	.02	.02	.02							.03	.03	.02	.02	.02	.02	.02	.01	.019		
NO	15	16		15	16	15	18	18	19	17	15	13	15	15	6	7	19	18	18	19	19	16	17	16		362	
MAX	.03	.05		.04	.03	.04	.04	.04	.04	.04	.04	.04	.06	.06	.05	.05	.05	.04	.04	.03	.04	.04	.04	.03	.033		.10

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-65

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM

POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
MAY 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1																											
2																											
3																											
4*		.02			.02	.01	.01	.02	.02	.03	.03	.03	.03	.04			.04	.05	.04	.04	.04	.04	.03	.03	.030	19	.08
5*	.02	.03			.02	.02	.02	.02	.02	.02	.02	.02	.02	.02			.01	.01	.02	.00	.02	.01	.01	.01	.017	20	.04
6	.01	.01			.00	.00	.01	.01	.02	.02			.03	.03			.05	.05	.05	.06	.06	.05	.03	.02	.027	18	.08
7	.03	.03			.02	.02	.02	.03	.02	.03	.04	.04	.04	.04			.05	.05			.02	.03	.03	.03	.032	18	.06
8	.03	.03			.02	.04	.03	.03	.03	.03	.03	.03	.03	.03			.03	.03	.03	.02	.02	.02	.01	.02	.027	20	.06
9	.02	.02		.02	.02	.03	.02	.03	.02	.02			.03	.02			.03	.02	.02	.02	.02	.02	.02	.01	.020	19	.05
10	.01	.01		.02	.01	.04	.04	.04	.03	.04	.04	.05	.04	.04			.04	.03	.03	.03	.03	.04	.05	.04	.033	21	.07
11*	.03	.02		.02	.02	.03	.03	.04	.04	.04	.05	.05	.04	.05			.05	.04	.04	.04	.05	.05	.04	.05	.038	21	.08
12*	.04	.03		.04	.04	.03	.03	.03	.04	.04	.07	.06	.07	.05			.05	.05		.06	.05	.05	.04	.03	.044	20	.11
13	.03	.03		.03	.02	.04	.05	.06	.05								.07	.06	.05	.05	.06	.05	.05	.05	.045	16	.09
14	.05	.05		.03	.02	.02	.02	.04	.03	.02	.02	.02	.02	.03			.04	.03	.03	.02	.02	.02	.02	.02	.026	21	.06
15	.02	.01		.01	.01	.04	.06	.06	.05	.05	.07	.03	.03	.03			.02	.01	.02	.01	.01	.02	.02	.02	.028	21	.10
16	.01	.01			.02	.02	.02	.01	.01	.01				.02	.01	.02	.02	.02	.02	.02	.02	.02	.02	.02	.016	19	.03
17	.02	.02			.02	.03	.03	.05	.04	.05	.05	.04	.04	.03			.03	.03	.03	.02	.02	.03	.03	.03	.031	20	.08
18*	.03	.03		.01	.02	.03	.02	.02	.02	.03	.03	.03	.03	.03			.02	.03	.02	.02	.02	.03	.02	.01	.025	21	.06
19*	.01	.01		.01	.01	.01	.01	.02	.02	.02	.03	.01	.02	.02			.03	.03	.04	.03	.05	.05	.04	.04	.022	21	.08
20	.04	.04		.01	.01	.03	.05	.05	.03			.02	.02	.02			.04	.03	.04	.04	.04	.04	.04	.03	.032	19	.10
21	.02	.01		.01	.02	.05	.04	.03	.02	.02	.03	.03	.03	.03	.03	.04	.03	.02	.02	.02	.02	.02	.04	.04	.027	23	.12
22	.03	.02			.02	.04	.03	.06	.04	.02				.02			.03	.02	.02	.02	.01	.03	.03	.02	.027	17	.10
23	.01	.01		.01	.01	.03	.03	.04	.03	.03	.03	.03	.03	.04			.04	.03	.03	.03	.03	.03	.02	.02	.027	21	.07
24	.02	.02		.03	.02	.03	.04	.04	.03	.03		.03	.03	.04			.06	.05	.04	.06	.06	.05	.04	.04	.038	20	.11
25*	.04	.03		.02	.02	.02	.03	.04	.03	.04	.04	.05	.05	.05			.04	.04	.04	.03	.04	.04	.05	.04	.035	21	.09
26*	.03	.02		.02	.02	.02	.02	.02	.02	.02	.02	.02	.02	.02			.03	.02	.02	.02	.02	.02	.02	.01	.020	21	.06
27	.01	.01		.00	.01	.02	.02	.03	.02	.02	.02	.02	.02	.02			.02	.02	.03	.02	.01	.01	.02	.01	.016	21	.04
28	.01	.01		.01	.01	.01	.03	.03	.02	.02	.02	.02	.02				.03	.03	.03	.03	.01	.02	.00	.01	.018	20	.06
29	.01	.01		.01	.01	.02	.03	.03	.03	.02	.02	.02	.04	.04			.05	.03	.03	.03	.04	.04	.03	.02	.026	21	.07
30	.02	.02		.03	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03			.04	.03	.03	.03	.03	.04	.06	.06	.030	21	.07
31	.04	.03		.02	.03	.05	.07	.05	.04				.07	.07			.07	.08	.08	.07	.05	.05	.04	.03	.051	18	.10
MEAN	.02	.02		.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.03			.04	.03	.03	.03	.03	.03	.03	.03	.029		
NO	27	28		20	28	28	28	28	28	25	20	22	25	26	2	2	28	28	26	27	28	28	28	28		558	
MAX	.05	.05		.04	.04	.05	.07	.06	.05	.05	.07	.06	.07	.07	.03	.04	.07	.08	.08	.07	.06	.05	.06	.06	.051		.12

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-66

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM

POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
JUNE 1968

DAY OF MONTH	AM 12-1	AM 1-2	AM 2-3	AM 3-4	AM 4-5	AM 5-6	AM 6-7	AM 7-8	AM 8-9	AM 9-10	AM 10-11	AM 11-12	PM 12-1	PM 1-2	PM 2-3	PM 3-4	PM 4-5	PM 5-6	PM 6-7	PM 7-8	PM 8-9	PM 9-10	PM 10-11	PM 11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1*	.03	.02		.03	.04	.02	.03	.03	.03	.03	.03	.04	.04	.05							.04	.03	.04	.03	.032	17	.06
2*	.03	.02		.01	.02	.02	.02	.02	.02	.03	.03	.03	.03	.03					.02	.02					.023	15	.04
3																											
4	.02	.02			.02	.03	.03	.04	.03	.03	.03	.03		.04	.04	.04	.04		.04	.02	.02	.04	.02	.02	.030	20	.06
5	.02	.02				.03		.04	.05	.05	.05	.05	.06	.05	.07		.07	.07	.05	.04	.03	.03	.03	.03	.043	19	.10
6	.02	.02		.02	.02	.02	.03	.04	.04	.05	.06	.06					.04		.04	.03	.02	.02	.02	.02	.031	18	.07
7	.01	.01		.01		.01	.02			.05	.06	.07	.09				.13	.10	.07	.06	.04	.05	.04	.03	.050	17	.17
8*	.02	.02		.01	.01	.02	.04	.03	.04	.05	.05	.05		.07	.06	.05	.06	.04	.05	.04	.03	.03	.03		.038	21	.08
9*	.03	.02		.02	.02	.02	.03	.04	.05	.06	.08	.13	.15	.13	.12	.09	.09	.07	.06	.04	.01	.01	.01		.058	22	.17
10	.02	.03		.03	.04	.01	.02	.03	.03								.06	.06	.05	.02	.01	.00	.00	.00	.025	16	.08
11	.02	.01		.02	.01	.01	.00	.01	.02	.03	.04	.04	.03					.03	.03	.02					.020	15	.05
12																											
13																											
14						.00	.01	.01	.02	.04	.04	.04	.04				.04	.04	.04	.04	.03	.03	.03	.03	.029	16	.05
15*																											
16*																											
17																											
18																											
19		.01		.01	.01	.02	.03	.04	.04	.04	.04	.09	.07	.07			.06	.06	.05	.03	.03	.04	.03	.03	.041	20	.11
20	.04	.02		.03	.04	.04	.04	.04	.04	.05	.04	.04	.04	.03	.03	.04	.04	.04	.04	.04	.03	.06	.03	.08	.039	23	.47
21	.02	.02				.02	.03	.03	.03				.06			.05	.04	.04	.03	.02	.02	.02	.02	.03	.029	16	.10
22*	.03	.03		.02	.03	.02	.03	.03	.04	.04	.04	.04	.04	.04	.04	.02	.01	.04			.00	.01	.01		.028	20	.32
23*	.02	.02					.03	.06	.03	.04	.03					.03	.03			.02	.00	.03	.02		.027	13	.28
24	.02	.02			.01	.01	.02	.02	.02				.05				.02	.01	.01	.02	.02	.01	.00	.00	.016	16	.06
25	.01	.01		.01	.01	.01	.03	.01	.01	.00	.00	.00	.01	.01			.02	.01	.01	.01	.01	.02	.01	.01	.010	21	.04
26	.01	.01		.02	.01	.01	.01	.01	.02	.02	.03	.04	.01	.04			.02	.01	.01	.01	.01	.01	.00	.01	.015	21	.20
27	.01	.01		.00	.01	.01	.01	.01	.01				.01	.01			.02	.01	.01	.01	.01	.01	.01	.01	.010	18	.03
28	.01	.01		.00	.01	.01	.02	.02	.02	.03						.03	.03	.04	.03	.03	.03	.02	.02	.02	.020	18	.05
29*	.03	.02		.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.03	.03	.03	.04	.04	.03	.02	.01	.02	.02	.02	.021	23	.05
30*	.02	.03		.02	.04	.02	.02	.02	.02	.03	.03	.04	.04	.04	.04	.05	.06	.03	.02	.02	.01	.01	.01	.02	.027	23	.07
MEAN	.02	.02		.02	.02	.02	.02	.03	.03	.04	.04	.05	.05				.04	.04	.03	.03	.02	.02	.02	.02	.029		
NO	21	22		17	18	22	22	22	22	19	18	17	17	14	8	10	20	18	20	21	19	21	21	19		428	
MAX	.04	.03		.03	.04	.04	.04	.06	.05	.06	.08	.13	.15	.13	.12	.09	.13	.10	.07	.06	.04	.06	.04	.08	.058		.47

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-67

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
JULY 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1	.01	.02		.02	.01	.00	.01	.01	.01	.02	.02	.02	.01	.02		.03	.03	.03	.02	.02	.01	.01	.01	.02	.016	22	.06
2	.01	.01			.01	.01	.02	.02	.03	.03	.02	.03	.02				.02	.04	.04	.06	.06	.06	.06	.07	.032	19	.09
3																											
4																											
5				.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.02	.03	.03	.03	.03	.02	.01	.01	.01	.02	.01	.017	21	.04
6*	.01	.02	.01	.01		.01	.02	.02	.01	.02	.02	.02	.02	.03			.02	.02	.02	.01	.01	.00		.00	.014	20	.03
7*	.01	.01	.02	.01	.01	.01	.01	.02	.02	.02	.02	.02	.03	.02	.02	.02	.02	.02	.02	.03	.02	.02	.02	.02	.017	24	.03
8	.02	.02	.01	.01	.01	.01	.00	.01	.01	.01	.04	.05	.07	.09	.08	.07	.07	.06	.05	.04	.03	.03	.03	.03	.034	24	.12
9	.03	.03		.03	.02	.03	.02	.04	.04	.05	.08	.10	.10	.07	.06	.03	.07	.02		.06	.06	.08	.07	.07	.051	22	.14
10	.07	.06		.02	.06	.07	.09	.09	.08	.06	.07	.08	.08	.07	.08	.07	.06	.07	.06	.07	.08	.06	.07	.05	.069	23	.11
11	.06	.03	.03	.04	.05	.08	.09	.08		.07	.07	.08	.10	.11	.10	.12	.12	.10	.06	.04	.05	.06	.09	.07	.073	23	.12
12	.03	.03			.01	.02	.04	.03	.05	.06	.06	.04	.05	.05	.04	.04	.04	.04	.04	.07	.09	.08	.09	.08	.047	22	.11
13*	.06	.06	.04	.04	.05	.05	.06	.06	.07	.08	.07	.07	.07	.07	.07	.07	.06	.06	.05	.04	.05	.04	.04	.02	.055	24	.10
14*	.03	.03		.02	.02	.03	.02	.03	.03	.05	.05	.08	.07	.07	.05	.04	.03	.04	.03	.03	.02	.03	.04	.03	.037	23	.09
15	.03	.03	.03	.02	.02	.03	.03	.02	.03	.03	.03	.04						.04	.03	.04	.04	.04	.04	.05	.032	19	.05
16	.05	.05	.03	.04	.04	.05	.06	.06	.07	.08	.07				.04	.04	.04	.04	.03				.02	.04	.047	18	.09
17																											
18																											
19		.01		.02							.09	.08	.08	.08	.09	.16	.18	.14	.13	.13	.12	.14	.17	.13	.110	16	.22
20*	.06				.04	.06	.05	.06	.05	.05	.06	.06	.06	.07	.07	.07	.09		.06	.06	.06	.05	.05	.08	.060	20	.15
21*	.10	.09		.04	.04			.04	.05				.11	.11	.09	.09	.09			.05	.05	.05			.071	14	.12
22	.05	.05		.01	.00		.02	.03	.03			.02	.02	.03	.03	.04	.05	.04	.04	.05	.05	.06	.05	.05	.035	20	.08
23	.05	.04		.03	.03	.05	.07	.07	.06	.05	.06	.07	.07	.05	.06	.06	.05	.05	.04	.04	.03	.03	.03	.03	.047	23	.09
24	.03	.02			.01	.02	.02		.03	.03	.03	.03	.03	.04	.05	.08	.09	.05	.04	.05	.03	.04	.03	.02	.036	21	.09
25	.02	.02		.03	.06	.06			.04	.06	.05	.03	.03			.08	.07	.03	.04	.04	.04	.04	.02	.02	.041	19	.10
26																											
27*																											
28*																											
29																											
30		.02		.02	.02	.03	.05	.04					.05	.05	.06	.09	.10	.10					.09		.054	13	.12
31		.09		.05	.06	.08			.06	.06	.06		.07		.08	.07	.08	.06	.06	.06	.03	.04	.04	.03	.059	18	.09
MEAN	.04	.03		.02	.03	.03	.04	.04	.04	.04	.05	.05	.05	.06	.06	.06	.06	.05	.04	.05	.04	.04	.05	.04	.045		
NO	19	21	7	19	21	20	19	19	20	19	20	19	21	18	18	20	22	21	20	21	21	21	21	21		468	
MAX	.10	.09	.04	.05	.06	.08	.09	.09	.08	.08	.09	.10	.11	.11	.10	.16	.18	.14	.13	.13	.12	.14	.17	.13	.110		.22

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

CONTINUOUS AIR MONITORING PROGRAM

Table 3-68

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM

POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
AUG. 1968

DAY OF MONTH	AM 12-1	AM 1-2	AM 2-3	AM 3-4	AM 4-5	AM 5-6	AM 6-7	AM 7-8	AM 8-9	AM 9-10	AM 10-11	AM 11-12	PM 12-1	PM 1-2	PM 2-3	PM 3-4	PM 4-5	PM 5-6	PM 6-7	PM 7-8	PM 8-9	PM 9-10	PM 10-11	PM 11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1	.02	.02		.02	.04	.04	.03	.04	.03	.03			.03	.03	.03	.03	.04	.03	.03	.03	.04	.03	.02	.03	.030	21	.06
2	.04	.05		.02	.03	.03	.04	.04	.03	.02	.03	.04	.04	.05	.04	.05	.04	.03	.02	.02	.01	.01	.01	.04	.031	23	.06
3*	.03	.03		.03	.03	.03	.05	.06	.05	.07	.07	.07	.08	.06	.05	.05	.04	.04	.04	.04	.04	.03	.04	.04	.046	23	.11
4*	.01	.01		.01	.02	.01	.02	.06	.07	.09	.11	.13	.15	.16	.16	.14	.11	.11	.10	.10	.07	.05	.05	.03	.076	23	.19
5	.03	.04		.02	.03	.02	.03	.03									.03	.03	.03	.02	.02	.01	.01	.01	.024	15	.05
6																											
7	.01	.02		.02	.01	.00	.00	.01	.00	.02	.04	.07	.08				.09	.08	.07	.06	.05	.04	.04	.04	.037	20	.09
8	.06	.06		.06	.04	.02	.02	.04	.04	.05	.05	.06	.03	.02			.04	.03	.03	.02	.02	.02	.02	.02	.034	21	.07
9	.01	.01		.01	.01	.01	.01	.04	.06	.08	.11	.10	.12	.13			.16	.15	.16	.12	.08	.08	.06	.04	.072	21	.19
10*	.01	.03		.00	.01	.01	.01	.01	.01	.01	.02	.03	.03	.03			.03	.03	.03	.03	.03	.03	.04	.03	.021	21	.06
11*	.03	.03		.03	.02	.02	.02	.03	.03	.03	.03	.03	.03	.03			.04	.05	.04	.03	.04	.04	.04	.03	.032	21	.05
12	.02	.03		.02	.03	.06	.06	.06									.09	.11	.08	.05	.03	.03	.03	.03	.048	15	.11
13	.03	.03		.02	.03		.04		.05	.05	.05	.05	.05	.05			.05	.06	.06	.05	.05	.05	.04	.03	.044	19	.09
14	.03	.02		.02	.02	.03	.04	.04	.03	.03	.03	.04	.04	.04			.04	.03	.03	.03	.04	.05	.05	.03	.033	21	.08
15	.03	.03		.03	.03	.05	.05	.06	.03	.03	.04	.05	.05	.05			.04	.03	.03	.03	.02	.03	.03	.03	.035	21	.09
16	.02	.02		.02	.02	.02	.02	.03	.03	.04	.04	.06	.05	.08	.08	.08	.08	.08	.08	.06	.03	.04	.04		.045	22	.10
17*		.02		.02	.02	.03	.03	.04	.05	.06	.06	.06	.06	.08	.08	.07	.07	.06	.05	.06	.05	.06	.04	.04	.049	22	.09
18*	.03	.04		.03	.03	.02	.03	.03	.03	.03	.04	.04	.05	.05	.06	.06	.06	.05	.05	.04	.05	.04	.03	.03	.039	23	.07
19	.02	.02		.02	.03	.03	.03	.04	.04	.05	.06	.06				.05	.04	.04	.04	.03	.03	.03	.02	.02	.035	20	.07
20	.02	.02		.02	.03	.02	.02	.03	.04	.07	.08	.10	.10	.10			.12	.08	.07	.06	.04	.03	.02	.02	.052	21	.15
21	.02	.02		.02	.01	.01	.00	.01	.02	.03				.16	.09	.09	.08	.05	.03	.03	.04	.04	.04	.03	.041	20	.19
22	.03	.03		.02	.04	.02	.03	.03	.04	.06	.08	.08	.09	.10	.10	.08	.07	.06	.04	.05	.05	.04	.03	.03	.052	23	.12
23																											
24*																											
25*																											
26																											
27		.02		.01	.02	.03	.04	.03	.04	.03	.02	.02	.03	.02	.03	.03	.03	.03	.03	.02	.03	.03	.02	.02	.026	22	.10
28	.02	.02		.04	.03	.06	.06	.03	.03	.03	.04	.04	.05	.04	.04	.04	.03	.03	.03	.03	.03	.04	.04	.05	.036	23	.08
29	.03	.02		.03	.02	.04	.03	.03	.04	.07	.04	.04	.05	.05	.04	.04	.05	.05	.05	.04	.04	.04	.04	.04	.039	23	.10
30	.03	.03		.03	.03	.03	.03	.04	.05	.05	.06	.06	.06	.05			.05	.04	.04	.03	.04	.03	.03	.03	.040	21	.07
31*	.02	.02		.02	.02	.02	.02	.03	.05	.04	.05	.05	.05	.04	.05	.05	.03	.03	.03	.03	.03	.03	.03	.02	.032	23	.09
MEAN	.02	.03		.02	.02	.03	.03	.03	.04	.04	.05	.06	.06	.06			.06	.05	.05	.04	.04	.04	.03	.03	.041		
NO	24	26		26	26	25	26	25	24	24	22	22	22	22	13	14	26	26	26	26	26	26	26	25		548	
MAX	.06	.06		.06	.04	.06	.06	.06	.07	.09	.11	.13	.15	.16	.16	.14	.16	.15	.16	.12	.08	.08	.06	.05	.076		.19

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-69

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
SEPT., 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5-MIN MAX
1*	.02	.02		.02	.01	.01	.02	.02	.02	.02	.02	.02	.03	.03			.03	.02	.02	.02	.02	.02	.02	.02	.018	21	.03
2	.02	.02		.01	.01	.01	.01	.02	.03	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.04	.03	.03	.03	.03	.026	23	.05
3	.02	.01		.02	.01		.03	.04	.03	.03	.03	.04	.04	.04	.04	.04	.04		.03	.04	.03	.03	.04	.03	.031	21	.07
4	.03	.02		.02	.02	.03	.03	.04	.03	.04	.04	.03	.03	.03			.03	.03	.02	.02	.02	.02	.02	.02	.027	22	.09
5	.02	.02		.02	.02	.03	.04	.04	.04	.03	.03	.04	.04	.04			.04	.04	.05	.03	.03	.03			.032	19	.09
6																											
7*		.02		.02	.03	.03	.03	.02	.02	.02	.03	.03	.03	.03	.04	.03	.03	.03	.02	.02	.02	.02	.01	.02	.024	22	.05
8*	.02	.01		.02	.02	.02	.02	.02	.03	.03	.03	.03	.03	.03	.04	.04	.04	.04	.03	.03	.03	.02	.03	.03	.028	23	.10
9	.03	.02		.01	.01	.01	.02	.02	.02	.01	.02	.01	.01				.02	.01	.01	.01	.01	.01	.02	.02	.015	20	.04
10	.01	.01		.01	.01	.01	.02	.03	.02	.02				.04			.03	.03	.03	.03	.02	.03	.03	.02	.021	18	.07
11	.02	.02		.02	.02	.03	.04	.04	.02	.02	.03	.02	.03	.04			.04	.03	.03	.03	.02	.04	.06	.05	.031	21	.08
12	.04	.02		.03	.03	.05	.09	.07	.04	.04	.04	.04	.05	.05			.04	.03	.03	.06	.06	.05	.06	.06	.045	21	.12
13	.05	.05		.05	.05	.07	.06	.07	.05	.04	.05	.05	.05	.05	.05	.04	.05	.04	.06	.06	.07	.03	.03	.03	.051	23	.13
14*	.03	.03		.03	.02	.03	.04	.05	.04	.04	.04	.04	.04	.04			.04	.04	.05	.04	.03	.03	.03	.03	.035	21	.07
15*	.04	.02		.03	.03	.02	.03	.02	.03	.04	.05	.04	.04	.03	.03	.04	.04	.04	.03	.02	.02	.02	.02	.02	.031	23	.09
16																											
17																											
18		.01		.02	.03	.04	.02	.02	.02	.02	.02	.02	.02	.03			.02	.03	.02	.02	.02	.02	.02	.02	.022	20	.08
19																											
20	.01	.01		.00	.02	.03	.04	.04	.04	.03	.03	.03					.11	.05	.03	.03	.03	.02	.02	.02	.029	19	.14
21*	.01	.01		.01	.02	.03	.02	.02	.02	.03	.03	.03	.03	.03			.02	.02	.02	.01	.01	.01	.01	.01	.019	21	.06
22*	.01	.01		.02	.01	.02	.02	.02	.01	.02	.02	.02	.04	.04	.05	.04	.03	.04	.04	.03	.03	.03	.02	.03	.026	23	.07
23																											
24	.01	.01		.01	.02	.02	.02	.02	.02				.03	.03			.02	.01	.02	.01	.01	.02	.01	.01	.016	18	.05
25	.01	.01		.01		.03	.03	.02	.01	.01	.01	.02	.02	.02			.02	.01	.01	.01	.02	.02	.03	.03	.018	20	.05
26	.02	.02		.01	.01	.04	.06	.05	.03	.03	.03	.02	.02	.02			.02	.01	.02	.02	.02	.02	.02	.02	.023	21	.07
27	.01	.01		.01	.02	.02	.03	.03	.02	.02	.02	.03	.03	.02			.02	.02	.02	.02	.02	.02	.02	.02	.019	21	.04
28*	.01	.01		.02	.03	.04	.05	.02	.03	.04	.01	.01	.01	.01			.02	.01	.01	.01	.02	.02	.03	.03	.022	21	.08
29*	.03	.01		.02	.02	.02	.02	.02	.02	.02	.03	.04	.05	.06			.02	.02	.02	.02	.02	.02	.02	.03	.025	21	.06
30	.01	.01		.01	.01	.03	.07	.04	.02	.02	.02						.02	.01	.00	.00	.00	.00	.00	.00	.016	18	.09
MEAN	.02	.02		.02	.02	.03	.03	.03	.03	.03	.03	.03	.03	.03			.03	.03	.02	.03	.02	.02	.02	.02	.026		
NO	23	25		25	24	24	25	25	25	24	23	22	22	22	7	7	25	24	25	25	25	25	24	24		520	
MAX	.05	.05		.05	.05	.07	.09	.07	.05	.04	.05	.05	.05	.06	.05	.04	.11	.05	.06	.06	.07	.05	.06	.06	.051		.14

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-70

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

CHICAGO, ILL.

TOTAL OXIDANT
OCT. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1	.01	.01		.01	.01	.02	.02	.01	.01	.01	.01	.02	.03	.02			.03	.02	.02	.02	.02	.02	.02	.02	.017	21	.04
2	.01	.01			.02	.02	.01	.01	.01	.01	.02	.01	.01	.02			.02	.01	.01	.00	.01	.01	.01	.01	.011	20	.03
3	.01	.02		.01	.01	.02	.02	.02	.01	.01	.01	.01	.01	.01			.01	.01	.00	.00	.00	.00	.01	.01	.009	21	.03
4	.01	.01		.01	.01	.01	.02	.02	.01	.01	.01	.01	.00	.01			.01	.01	.01	.01	.01	.01	.01	.02	.009	21	.03
5*	.01	.01		.01	.01	.01	.02	.01	.00	.01	.02	.01	.01	.01			.01	.01	.00	.01	.01	.00	.01	.01	.008	21	.02
6*																											
7																											
8																											
9																											
10																											
11	.01	.01		.01	.01	.02	.04	.03	.02				.02	.02			.02	.02	.02	.03	.03	.02	.03	.02	.022	18	.11
12*	.02	.02		.03	.02	.04	.03	.04	.04	.05	.07	.10	.08	.04			.03	.03	.03	.02	.03	.03	.02	.02	.036	21	.14
13*	.01	.01		.01	.01	.01	.01	.01	.01	.02	.07	.08	.08	.08	.03	.02	.02	.01	.01	.01	.01	.01	.01	.01	.024	23	.11
14																											
15																											
16		.01		.01	.01	.01	.02	.02				.03	.03	.03			.03	.02	.01	.01	.01	.01	.01	.01	.015	17	.03
17	.01	.02		.02	.01	.01	.01	.01	.02	.01	.01	.01	.01	.01			.01	.01	.01	.01	.01	.01	.01	.01	.011	21	.02
18	.01	.01		.01	.01	.01	.02	.01	.01	.01	.01	.01	.01	.02			.01	.00	.00	.01	.01	.01	.00	.00	.009	21	.03
19*	.01	.01		.01	.01	.01	.01	.01	.02	.03	.02	.02	.02	.02			.01	.01	.01	.00	.00	.00	.01	.01	.011	21	.04
20*	.00	.01		.01	.01	.01	.01	.00	.01	.02	.02	.03	.03	.03			.02	.02	.02	.02	.02	.02	.02	.02	.016	21	.04
21	.02	.02		.02	.02	.03	.05	.04	.02	.02	.03	.02	.03	.02	.02	.02	.02	.01	.02	.01	.01	.01	.02	.03	.022	23	.07
22	.03	.02		.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01	.00	.01	.01	.01	.01	.00	.00	.00	.00	.00	.011	23	.03
23	.01	.01		.01	.01	.01	.01	.02	.01	.01	.01	.02	.01				.01	.00	.00	.00	.00	.00	.00	.01	.007	20	.03
24	.01	.01		.01	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01			.01	.01	.01	.01	.01	.01	.01	.01	.011	21	.03
25	.01	.01		.01	.01	.01	.02	.03	.01	.00	.00	.00	.00	.00	.01	.02	.01	.01	.01	.01	.00	.00	.00	.01	.007	23	.04
26*	.00	.00		.00	.00	.01	.01	.00	.00	.00	.00	.02	.01	.01			.01	.01	.01	.01	.01	.00	.00	.00	.006	21	.03
27*	.00	.00		.02	.02	.03	.02	.02	.01	.01	.02	.02	.01	.01	.01	.01	.01	.01	.01	.02	.02	.01	.01	.01	.013	23	.03
28																											
29																											
30																											
31																											
MEAN	.01	.01		.01	.01	.02	.02	.02	.01	.01	.02	.02	.02	.02			.01	.01	.01	.01	.01	.01	.01	.01	.014		
NO	19	20		19	20	20	20	20	19	18	18	19	20	19	5	5	20	20	20	20	20	20	20	20		421	
MAX	.03	.02		.03	.02	.04	.05	.04	.04	.05	.07	.10	.08	.08	.03	.02	.03	.03	.03	.03	.03	.03	.03	.03	.036		.14

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-71

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

TOTAL OXIDANT
NOV. 1968

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1		.00		.01	.01	.01	.01	.01	.02				.03	.03		.03	.02	.02	.02	.02	.02	.03	.03	.03	.019	16	.05
2*	.02	.02		.01	.01	.01	.02	.03	.05	.04	.04	.03	.03	.04			.06	.05	.03	.03	.03	.03	.04	.04	.031	21	.10
3*	.04	.02		.02	.01	.01	.02	.02	.02	.02	.03	.03	.03	.03			.05	.04	.03	.03	.04	.03	.03	.02	.028	21	.07
4																											
5																											
6																											
7																											
8																											
9*		.01		.00	.00	.00	.00	.00	.00	.01	.01	.00	.00	.01			.01	.00		.00		.00	.00	.00	.003	18	.02
10*																											
11																											
12																											
13				.01							.03	.02	.01	.02			.03	.03	.03	.03	.04	.03	.03	.02	.025	13	.05
14	.02	.02		.01	.01	.02	.03	.04	.06					.03			.05	.06	.05	.03	.03	.03	.04	.05	.034	17	.08
15	.04	.02		.01	.02	.03	.04	.05	.05	.05	.04	.05	.04	.04			.04	.04	.04	.03	.04	.04		.04	.036	20	.08
16*	.03	.02		.02	.02	.02	.03	.03	.03	.03	.04	.04	.05	.05			.05	.03	.04	.04	.02	.03	.03	.03	.032	21	.11
17*	.01	.01		.01	.01	.01	.01	.01	.01	.01	.02	.02	.02	.01			.03	.03	.03	.03	.02	.03	.02	.01	.017	21	.06
18	.01	.01		.01	.01	.01	.02	.04	.04	.02	.02	.02	.01	.01			.02	.03	.02	.02	.02	.01	.00	.00	.016	21	.06
19	.00	.00		.00	.00	.00	.01	.01	.01	.01	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.002	21	.03
20	.01	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.001	21	.01
21	.00	.00		.00	.00	.00	.00	.00	.01	.00	.01	.01	.02	.02			.04	.05	.03	.02	.01	.02	.02	.02	.012	21	.06
22	.01	.01		.01	.01	.02	.04	.05	.05				.03	.02				.05	.04	.02	.01	.01	.01	.02	.024	17	.08
23*	.02	.02		.02	.02	.02	.02	.02	.03	.02	.03	.03	.02	.02			.02	.02	.01	.01	.01	.01	.02	.01	.019	21	.04
24*																											
25																											
26	.02	.01		.01	.01	.01	.02	.04	.06	.04	.02	.01	.02	.02			.04	.04	.03	.03	.03	.03	.03	.03	.026	21	.08
27	.02	.01		.01	.01	.02	.04	.06	.06	.03	.02	.03	.03	.04			.04	.06	.05	.03	.03	.03	.03	.04	.033	21	.10
28	.03	.02		.01	.02	.01	.02	.02	.02	.02	.02	.02	.01	.02			.02	.02	.02	.03	.03	.03	.03	.02	.020	21	.05
29	.01	.01		.01	.01	.02	.03	.04	.05	.03			.03	.02			.02	.02	.02	.01	.02	.01	.02	.02	.020	19	.07
30*	.02	.01		.00	.00	.00	.00	.00	.01	.01	.01	.02	.02	.02			.03	.03	.02	.02	.03	.03	.02	.02	.014	21	.06
MEAN	.02	.01		.01	.01	.01	.02	.02	.03	.02	.02	.02	.02	.02			.03	.03	.03	.02	.02	.02	.02	.02	.020		
NO	17	19		20	19	19	19	19	19	16	16	16	19	20		1	19	20	19	20	19	20	19	20		395	
MAX	.04	.02		.02	.02	.03	.04	.06	.06	.05	.04	.05	.05	.05		.03	.06	.06	.05	.04	.04	.04	.04	.05	.036		.11

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

Table 3-72

CONTINUOUS AIR MONITORING PROGRAM

HOURLY AVERAGES OF GASEOUS POLLUTANT CONCENTRATIONS

Air Quality Section, Laboratory of Engineering and Physical Sciences
Division of Air Pollution, Public Health Service
U. S. Department of Health, Education, and Welfare

Robert A. Taft Sanitary Engineering Center
Cincinnati, Ohio 45226

CHICAGO, ILL.

CONCENTRATION IN PPM
POTASSIUM IODIDE ANALYSIS

TOTAL OXIDANT
DEC. 1968

DAY OF MONTH	AM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	PM 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	DAILY MEAN	NO OF HRS	5 MIN MAX
1*	.01	.01		.01	.00	.01	.01	.01	.01	.01	.01	.02	.02	.04			.04	.04	.03	.02	.01	.01	.03	.01	.016	21	.06
2	.01	.01		.01	.02	.02	.02	.04	.05	.04	.03	.04	.03	.05			.04	.03	.04	.02	.03	.02	.02	.03	.028	21	.08
3	.02	.02		.01	.01	.01	.04	.05	.05	.01	.01	.01	.00	.00			.02	.01	.00	.00	.00	.00	.00	.00	.013	21	.14
4																											
5																											
6																											
7*																											
8*																											
9																											
10																											
11		.00		.00	.00	.00	.00	.00	.01	.00	.01	.01	.01	.02							.02	.02	.02	.02	.008	16	.03
12	.02	.02		.02	.02	.02	.02	.03	.03			.02	.03	.03	.03	.03	.03	.03							.025	15	.04
13		.01			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	21	.01
14*	.00	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.01
15*	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	23	.02
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00			.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.000	22	.02
17	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.01	.01	.01	.01	.01	.01	.01	.004	23	.04
18	.00	.01	.00	.01	.01	.01	.02	.03	.03	.02	.03	.02	.02	.02			.03	.03	.02	.02	.02				.017	19	.06
19																											
20		.01		.00	.00	.01	.00							.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.002	16	.02
21*	.00	.00		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00				.01	.01	.01	.00	.00	.00			.002	18	.03
22*																											
23																											
24																											
25																											
26																											
27																											
28*																											
29*																											
30																											
31																											
MEAN	10	13	3	11	13	13	13	12	12	11	10	11	12	12	7	7	12	12	11	11	12	11	10	10		259	
NO	.02	.02	.00	.02	.02	.02	.04	.05	.05	.04	.03	.04	.03	.05	.03	.03	.04	.04	.04	.02	.03	.02	.03	.03	.028		.14
MAX																											

* Indicates Saturday or Sunday
Local standard time used

TABULATED WED., SEP. 10, 1969

SECTION 4.
SOILING INDEX
DATA TABLES

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SOILING INDEX DATA TABLES

Table 4-1 through 4-12 present soiling index values at the station by month. Each value was obtained from a 2-hour integrated sample beginning at the time indicated in the column heading. A missing value indicates that the sample was not taken or was invalid because of instrument malfunction.

The first summary line (titled MONTHLY MEAN)represents the arithmetic mean of the 2-hour average values in the column, and is calculated only if 16 or more days are represented. The first summary column (titled DAILY MEAN) gives the arithmetic mean of the 2-hour values for the day; if fewer than seven such values are present, the daily mean is not calculated, and the data are not included in the summaries; however, the component 2-hour values for the day are not deleted from the table as is done with data on gaseous pollutants.

The other summary columns and rows are the number of and maximum of the respective 2-hour values. Four summary figures appear in the lower right corner; the mean and maximum values for the month are the upper left and lower right figures, respectively, while the center figure is the total number of values. The lower left summary number is the maximum daily average from the column above.

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Table 4-I

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
CHICAGO ILLINOIS															JAN/68
01	2.9	3.8	2.5	1.9	5.5	1.6	1.0	3.0	2.7	2.0	1.7	1.7	2.57	12	5.5
02	1.2	1.4	1.9	3.3	3.4	1.8	3.0	3.9	3.1	3.2	3.2	2.3	2.70	12	3.9
03	1.7	1.1	2.0	1.6	2.1	1.8	1.6	1.6	2.0	1.6	1.7	1.7	1.74	12	2.1
04	1.4	1.3	1.7	2.0	1.6	1.6	1.3	1.5	1.8	1.5	1.6	2.3	1.68	12	2.3
05	2.5	1.2	1.5	3.1	2.0	1.3	1.1	1.6	1.3	1.9	2.1	2.0	1.84	12	3.1
06	1.5	1.6	2.3	2.3	2.5	2.6	2.6	1.6	1.9	1.9	1.4	1.7	2.03	12	2.6
07	2.2	2.2	2.4	1.8	2.3	2.0	1.9	1.5	1.4	1.8	1.3	2.2	1.97	12	2.5
08	2.1	3.3	3.8	3.7	4.0	2.7	3.0	3.0	2.5	1.8	3.0	2.6	2.99	12	4.0
09	1.8	1.3	2.8	2.2	2.4	2.8	1.7	1.7	2.8	2.0	1.7	1.4	2.09	12	2.8
10	2.8	2.5	3.6	4.1	2.4	1.2	1.2	1.3	1.3	0.7	0.9	0.9	1.96	12	4.1
11	0.3	0.6	0.5	1.3	1.2	1.1	0.6	0.9	1.3	0.4	1.0	0.6	0.85	12	1.3
12	0.4	1.1	0.8	1.6	1.4	2.1	1.3	1.2	1.5	1.4	1.9	0.7	1.32	12	2.1
13	1.2	0.9	0.9	1.1	0.9	0.6	1.4	1.2	1.5	0.8	0.7	0.8	1.04	12	1.5
14	1.3	1.0	0.8	1.2	1.6	1.8	0.8	1.1	1.0	1.4	0.9	0.9	1.19	12	1.8
15	0.9	1.4	1.8	1.6	1.5	1.3	1.5	1.7	1.9	1.7	1.9	2.6	1.70	12	2.6
16	3.1	3.0	3.7	4.3	3.0	1.4	1.2	1.1	1.3	1.5	1.6	1.3	2.25	12	4.3
17	0.9	1.3	1.4	1.9	2.2	1.8	1.5	1.5	1.5	1.4	1.4	1.3	1.56	12	2.2
18	1.3	1.2	1.3	2.3	2.0	1.1	1.7	2.0	1.8	1.6	1.4	1.3	1.63	12	2.3
19	0.5	1.4	1.2	1.3	2.2	1.5	1.5	1.8	1.9	1.0	1.5	1.4	1.48	12	2.2
20	1.5	1.1	2.2	2.1	2.1	1.3	1.2	1.3	1.4	1.4	1.7	2.4	1.68	12	2.4
21	2.0	1.6	1.8	2.0	1.6	1.2	4.2	3.1	1.1	3.7	3.9	1.8	2.37	12	4.2
22	1.2	1.9	0.9	1.5	1.5	1.8	1.5	2.4	2.7	1.7	1.9	1.2	1.72	12	2.7
23	1.4	0.7	1.4	1.9	2.0	1.2	1.5	2.2	2.2	2.1	2.3	2.2	1.79	12	2.3
24	2.3	1.8	2.9	5.7	3.9	2.1	1.4	0.6	1.2	1.1	2.1	2.1	2.31	12	5.7
25	2.0	1.6	2.6	3.0	3.9	4.8	2.1	1.7	2.5	2.5	1.7	1.9	2.57	12	4.8
26	1.6	2.2	2.4	4.6	2.5	2.4	2.3	1.8	1.5	1.6	2.3	1.1	2.06	12	2.6
27	1.5	1.4	1.5	2.7	3.3	3.6	1.6	2.0	2.7	1.9	1.4	1.6	2.14	12	3.6
28	1.6	1.5	1.9	2.8	2.5	1.9	1.0	1.2	1.1	1.8	3.9	2.1	1.97	12	3.9
29	1.9	1.7	3.1	2.3	2.3	2.2	2.8	2.9	2.8	2.2	1.5	0.8	2.25	12	3.1
30	1.1	0.7	1.3	1.5	1.5	0.8	0.7	0.8	0.5	0.4	1.1	1.7	1.04	12	1.7
31	1.9	2.1	4.4	3.5	2.3	2.3	2.3	3.5	3.3	2.1	1.9	1.2	2.62	12	4.4
AVG	1.61	1.60	2.04	2.39	2.37	1.86	1.69	1.82	1.85	1.68	1.82	1.60	1.85		
N(3)	31	31	31	31	31	31	31	31	31	31	31	31		372	
MAX*	3.1	3.8	4.4	5.7	5.5	4.8	4.2	3.9	3.3	3.7	3.9	2.6	2.99		5.7

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-2

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

CHICAGO ILLINOIS — FEB/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	1.1	1.8	3.4	2.8	2.6	2.3	1.2	2.7	2.2	2.0	1.8	2.2	2.21	12	3.4
02	1.4	1.6	1.6	2.1	1.9	2.0	1.7	1.8	2.1	1.4	1.6	1.8	1.77	12	2.1
03	1.1	1.4	1.5	2.7	2.6	2.7	2.8	1.0	1.0	1.0	1.1	0.7	1.67	12	2.8
04	0.6	1.0	0.8	0.6	0.6	0.8	0.5	0.9	0.8	0.9	0.8	1.0	0.80	12	1.0
05	0.7	0.5	0.9	1.6	2.0	1.6	1.2	1.5	1.1	1.0	7.7	8.2	2.36	12	8.2
06	5.9	5.4	5.0	6.3	4.6	1.5	1.7	1.9	3.0	2.6	2.7	2.0	3.58	12	6.3
07	1.7	1.4	2.3	2.2	2.2	2.2	2.1	3.1	2.6	3.3	2.1	2.5	2.35	12	3.3
08	2.8	2.2	2.9	2.9	2.7	1.8	2.1	1.8	1.8	1.5	1.7	1.4	2.18	12	2.9
09	1.8	1.6	1.3	1.7	1.9	1.5	1.5	1.7	1.9	1.9	2.0	1.6	1.76	12	2.0
10	1.8	1.4	1.8	4.4	2.3	1.9	1.4	1.4	2.0	1.4	1.9	1.5	1.82	12	2.4
11	1.5	1.5	1.4	1.8	2.0	1.6	1.7	1.5	1.8	1.4	1.7	2.1	1.71	12	2.1
12	2.0	1.3	2.0	4.7	2.1	2.0	1.6	1.7	2.1	2.4	2.4	1.5	2.02	12	2.7
13	1.7	1.9	1.8	3.2	4.0	2.1	2.6	1.5	1.8	1.9	1.9	2.0	2.24	12	4.0
14	1.5	1.9	2.1	3.2	3.1	2.7	1.9	1.7	1.7	2.3	2.5	2.5	2.28	12	3.2
15	2.3	2.2	2.5	4.5	2.3	1.8	1.6	2.0	2.3	3.1	4.0	3.7	2.56	12	4.0
16	3.6	2.9	4.0	3.2	2.0	1.7	1.6	1.1	1.6	1.3	1.1	1.2	2.16	12	4.0
17	1.3	1.2	0.5	1.4	1.2	1.3	1.4	1.4	1.6	1.7	1.2	1.5	1.35	12	1.7
18	1.6	1.6	1.6	1.9	1.8	1.2	1.1	1.1	1.3	2.4	2.0	2.4	1.72	12	2.4
19	2.3	2.2	2.5	4.9	3.3	2.3	1.8	2.2	3.4	3.4	2.2	3.0	2.85	12	4.9
20	1.7	1.9	1.8	2.0	2.4	1.9	1.4	1.5	1.8	1.9	2.0	1.3	1.82	12	2.4
21	1.6	1.0	1.8	2.1	1.8	1.8	1.7	1.9	2.1	2.4	2.0	1.9	1.87	12	2.4
22	1.1	1.9	1.8	3.1	2.5	1.9	1.1	1.4	2.0	2.5	2.1	1.8	1.98	12	3.1
23	1.9	1.5	2.3	3.9	4.3	2.5	1.5	1.8	2.3	1.7	1.0	1.2	2.19	12	4.3
24	0.5	1.1	0.7	0.6	1.2	1.0	1.2	0.9	1.1	1.2	0.9	0.8	0.97	12	1.2
25	0.6	0.6	0.6	1.2	0.8	0.5	0.1	0.6	0.3	1.0	0.9	0.8	0.70	12	1.2
26	1.1	2.3	4.1	5.0	3.8	2.5	1.6	2.3	2.2	2.5	2.9	2.0	2.73	12	5.0
27	2.0	2.5	2.9	4.0	2.0	1.3	1.4	1.6	2.1	2.3	2.1	1.9	2.22	12	4.0
28	1.9	1.9	1.7	2.0	1.6	1.4	1.4	1.6	1.9	1.8	1.9	1.8	1.78	12	2.0
29	1.7	1.7	1.8	2.3	2.5	1.5	2.0	1.8	2.2	2.1	2.4	2.7	2.10	12	2.7
AVG	1.75	1.77	2.04	2.63	2.35	1.76	1.54	1.63	1.86	1.94	2.08	2.03	1.94		
N(3)	29	29	29	29	29	29	29	29	29	29	29	29		348	
MAX*	5.9	5.4	5.0	6.3	4.6	2.7	2.8	3.1	3.4	3.4	7.7	8.2	3.58		8.2

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-3

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH — TIME (STARTING HOUR) — CHICAGO ILLINOIS — MARCH/68

DAY OF MONTH	0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	2.3	2.6	2.2	1.9	1.8	1.5	1.3	1.3	1.8	2.8	2.4	1.8	2.02	12	2.8
02	0.7	0.7	0.8	1.3	1.7	1.2	1.8	1.7	1.5	1.2	1.5	1.6	1.35	12	1.8
03	1.6	1.1	1.0	1.4	1.5	1.3	0.8	0.8	1.1	2.4	2.1	2.2	1.47	12	2.4
04	1.7	1.4	2.5	2.4	2.2	1.5	1.4	1.2	1.5	4.5	3.9	2.2	2.23	12	4.5
05	2.3	2.7	2.6	2.7	2.1	1.5	1.0	1.6	2.8	1.8	1.3	1.1	1.98	12	2.8
06	0.5	1.1	0.5	1.4	1.4	0.7	0.8	0.9	1.0	0.7	0.9	0.7	0.92	12	1.4
07	0.6	0.4	2.6	4.5	2.8	1.4	0.9	1.2	1.2	2.5	2.5	1.2	1.86	12	4.5
08	1.4	1.8	1.7	2.3	2.2	2.1	2.3	2.2	2.6	2.0	2.3	5.2	2.38	12	5.2
09	2.2	1.9	1.6	2.6	1.6	1.8	1.6	1.7	1.4	1.7	1.7	1.4	1.81	12	2.6
10	1.0	0.7	1.2	1.5	1.6	0.7	0.6	0.8	0.8	0.6	0.6	0.5	0.91	12	1.6
11	0.4	0.4	0.6	0.7	1.0	0.6	1.2	1.2	1.7	1.6	1.0	0.9	0.98	12	1.7
12	0.8	1.0	1.3	1.3	1.5	1.9	1.7	1.4	1.6	1.4	0.9	1.3	1.37	12	1.9
13	1.6	1.4	1.7	3.0	2.0	1.6	0.9	1.3	1.7	2.1	2.6	1.5	1.83	12	3.0
14	1.2	1.2	1.5	1.5	1.7	1.1	1.5	1.8	1.5	2.6	2.4	1.3	1.64	12	2.6
15	0.8	0.8	1.3	1.7	1.5	1.0	1.2	1.3	2.2	1.6	1.8	2.1	1.48	12	2.2
16	2.0	1.7	2.0	4.3	4.6	2.0	1.2	1.4	1.2	2.0	3.3	4.2	2.53	12	4.6
17	2.8	4.8	3.8	4.6	3.8	2.1	0.8	0.8	0.9	2.9	2.6	2.3	2.57	12	4.8
18	1.5	1.3	1.8	4.1	2.3	1.0	1.0	1.0	1.3	2.4	1.4	1.3	1.74	12	4.1
19	1.0	1.3	1.4	1.7	2.5	1.7	1.1	1.2	1.6	1.4	1.2	1.1	1.47	12	2.5
20	0.9	1.2	0.8	1.6	1.3	1.1	0.9	0.7	1.5	1.3	0.7	0.7	1.09	12	1.6
21	0.6	0.7	0.1	1.0	1.0	1.0	1.0	1.7	1.6	1.6	1.0	1.5	1.11	12	1.7
22	1.2	0.9	1.3	2.0	2.0	1.7	1.1	1.1	1.3	1.3	1.4	1.4	1.43	12	2.0
23	1.5	0.9	0.9	1.5	1.7	1.2	1.2	1.3	1.3	1.4	1.3	1.5	1.34	12	1.7
24	1.5	1.3	1.5	1.6	1.3	1.2	0.4	0.4	0.9	1.4	1.4	1.0	1.29	12	2.6
25	1.9	1.4	1.3	2.0	1.2	1.2	1.1	0.9	1.4	1.1	1.3	0.9	1.34	12	2.0
26	1.1	0.9	1.7	2.2	1.8	1.5	0.7	0.8	0.9	2.3	3.9	2.1	1.69	12	3.9
27	1.3	1.6	1.6	1.7	1.2	1.1	1.2	1.5	0.9	0.9	1.5	1.2	1.35	12	1.7
28	1.1	0.5	1.9	1.4	1.6	1.1	1.0	0.6	1.4	1.3	1.6	1.4	1.28	12	1.9
29	0.7	1.0	2.1	3.3	1.8	1.0	1.2	0.7	0.7	0.7	1.0	2.6	1.45	12	3.3
30	4.3	4.3	2.7	3.7	1.9	0.9	0.9	0.8	0.9	1.2	1.2	0.4	1.98	12	4.3
31	0.9	0.6	0.7	0.6	1.2	0.7	1.1	0.5	2.1	0.7	2.2	1.0	1.06	12	2.2
AVG	1.40	1.40	1.57	2.14	1.86	1.30	1.12	1.15	1.42	1.72	1.77	1.60	1.52		
N(3)	31	31	31	31	31	31	31	31	31	31	31	31		372	
MAX*	4.3	4.8	3.8	4.5	4.6	2.1	2.3	2.2	2.8	4.5	3.9	5.2	2.57		5.2

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-4

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

CHICAGO ILLINOIS

APRIL/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.9	1.1	1.7	0.6	0.5	0.5	0.9	1.2	1.8	1.0	3.0	2.1	1.31	12	3.0
02	1.7	1.6	2.8	3.4	1.8	0.9	1.0	0.9	1.6	1.1	1.4	1.2	1.66	12	3.4
03	1.5	1.1	1.0	1.5	1.2	1.4	1.3	1.7	2.4	1.3	1.3	0.9	1.42	12	2.4
04	1.1	1.3	1.6	1.6	1.2	1.3	1.3	1.5	1.6	2.1	1.3	1.0	1.44	12	2.1
05	0.7	1.1	1.3	1.2	1.0	0.3	0.4	0.6	0.6	0.6	0.3	2.4	0.91	12	2.4
06	2.9	2.1	1.7	2.2	0.8	0.8	1.0	1.1	1.0	1.3	2.3	1.7	1.63	12	2.9
07	1.5	0.9	1.1	1.7	0.8	0.9	1.0	1.4	1.0	0.6	1.2	1.2	1.14	12	1.7
08	1.4	0.8	0.9	1.5	1.3	0.8	0.9	1.6	1.2	2.6	1.4	2.0	1.42	12	2.6
09	1.2	1.7	2.9	2.5	1.0	0.6	0.8	1.0	0.7	1.5	1.8	1.5	1.47	12	2.9
10	1.4	1.3	2.1	3.7	1.4	0.8	0.4	0.8	0.9	1.4	1.1	0.6	1.36	12	3.7
11	2.1	2.5	1.9	1.9	1.2	1.2	1.0	0.8	1.2	1.0	1.5	1.5	1.50	12	2.5
12	0.9	0.7	1.0	0.9	1.1	1.3	1.1	0.9	1.1	0.6	1.2	0.8	0.99	12	1.3
13	1.1	0.7	1.1	1.0	1.1	0.8	1.4	0.8	1.1	0.6	0.8	0.6	0.97	12	1.4
14	0.6	0.4	0.7	1.2	1.2	0.6	0.8	0.4	0.7	0.9	1.1	0.9	0.84	12	1.2
15	1.3	0.8	1.3	2.5	1.5	1.3	0.7	0.9	0.9	1.3	1.8	1.6	1.36	12	2.5
16	1.1	1.7	1.8	1.7	1.6	0.8	0.6	1.1	1.2	1.3	1.2	1.3	1.33	12	1.8
17	0.9	0.9	1.3	1.4	1.4	1.5	1.7	2.3	1.7	1.4	0.9	1.2	1.44	12	2.3
18	1.1	1.4	1.3	1.4	1.7	1.1	1.2	1.4	1.7	2.2	1.5	1.2	1.46	12	2.4
19	0.5	0.7	0.9	1.4	1.3	1.0	1.7	1.5	2.4	0.9	0.9	0.8	1.22	12	2.4
20	1.1	1.1	0.7	1.1	1.6	0.9	0.7	0.4	0.6	0.4	0.5	0.6	0.84	12	1.6
21	0.5	0.1	0.8	1.0	1.0	0.4	0.3	0.6	0.8	0.6	0.6	0.9	0.68	12	1.0
22	1.1	0.5	0.8	1.4	1.2	0.7	0.9	1.3	1.4	1.1	1.1	1.1	1.10	12	1.4
23	0.9	1.2	1.2	1.1	0.8	0.8	0.8	0.6	0.7	0.5	0.8	0.8	0.88	12	1.2
24	0.4	0.7	0.7	1.4	1.2	1.4	1.4	1.6	1.2	1.2	1.1	1.2	1.17	12	1.6
25	0.3	1.0	1.6	2.0	1.7	1.4	0.9	1.2	1.6	1.6	2.7	2.1	1.55	12	2.7
26	2.0	2.5	2.4	3.4	5.5	2.5	1.2	1.6	1.1	1.5	1.5	2.0	2.31	12	5.5
27	2.7	1.9	1.5	2.0	1.0	1.7	1.3	1.7	1.3	1.0	1.1	0.8	1.54	12	2.7
28	0.9	0.4	0.4	0.5	0.6	0.7	0.6	0.9	1.4	0.8	0.8	1.3	0.83	12	1.4
29	3.7	3.3	3.7	3.7	1.3	0.9	1.3	1.1	0.7	1.2	1.4	2.0	2.06	12	3.7
30	0.7	0.5	2.8	4.1	2.0	1.0	1.0	1.4	1.5	0.8	1.1	0.9	1.52	12	4.1
AVG	1.27	1.20	1.50	1.86	1.37	1.01	0.98	1.14	1.23	1.11	1.29	1.27	1.27		
N(3)	30	30	30	30	30	30	30	30	30	30	30	30		360	
MAX*	3.7	3.3	3.7	4.1	5.5	2.5	1.7	2.3	2.4	2.6	3.0	2.4	2.31		5.5

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-5

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH — TIME (STARTING HOUR) — CHICAGO ILLINOIS — MAY/68

DAY OF MONTH	0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.6	0.7	0.6	1.1	1.3	1.0	1.2	1.4	1.1	1.4	1.2	1.1	1.09	12	1.4
02	0.2	0.6	4.9	4.5	1.4	1.2	1.1	1.3	1.2	1.9	1.4	1.4	1.81	12	4.9
03	1.3	1.1	1.7	1.8	1.7	1.4	1.2	1.7	1.6	1.8	1.3	0.8	1.49	12	1.8
04	0.3	0.4	1.7	2.4	1.4	0.9	1.2	0.9	0.8	0.5	0.7	0.8	1.04	12	2.4
05	0.2	0.4	0.2	0.3	0.3	0.5	0.6	0.3	0.5	0.3	0.7	0.4	0.43	12	0.7
06	2.0	1.7	2.4	2.3	1.1	0.9	1.1	1.2	1.5	0.6	0.8	0.8	1.40	12	2.4
07	0.6	0.8	1.4	1.3	1.0	0.7	1.1	1.0	1.3	0.9	1.3	0.9	1.07	12	1.4
08	0.7	0.5	1.2	1.3	1.1	0.7	0.9	0.6	1.0	1.0	1.1	0.6	0.92	12	1.3
09	1.2	0.7	2.1	0.9	0.9	0.9	0.8	0.7	1.0	0.9	0.6	1.4	1.04	12	2.1
10	2.0	2.0	1.3	1.0	1.1	0.8	1.0	1.3	0.8	0.9	0.5	0.6	1.14	12	2.0
11	0.3	0.3	0.4	0.8	1.2	1.2	1.0	1.1	1.2	0.8	0.9	0.8	0.88	12	1.2
12	0.8	0.5	0.4	0.8	1.0	0.8	0.6	0.6	1.1	1.7	0.8	1.3	0.91	12	1.7
13	2.1	2.4	1.9	1.2	1.1	1.3	1.5	1.7	1.6	0.9	1.3	0.9	1.52	12	2.4
14	1.6	1.5	1.6	2.0	0.9	0.8	0.7	0.8	0.6	1.0	1.1	1.4	1.21	12	2.0
15	1.2	0.9	2.0	2.4	1.5	1.1	1.4	1.6	1.5	1.1	0.7	0.6	1.37	12	2.4
16	0.7	0.3	0.3	0.2	0.7	0.7	0.9	0.7	1.0	1.1	0.9	0.9	0.75	12	1.1
17	0.8	1.0	1.3	1.5	1.0	0.9	1.8	1.3	0.7	1.1	1.5	2.1	1.29	12	2.1
18	1.5	1.5	1.6	1.4	1.1	1.2	1.0	1.2	0.9	1.2	0.5	0.4	1.16	12	1.6
19	0.7	0.1	0.6	1.1	1.2	0.7	0.6	0.8	0.8	1.5	2.2	1.6	1.04	12	2.2
20	1.4	1.1	1.7	2.3	1.1	0.6	1.2	1.1	1.2	2.4	2.3	2.2	1.60	12	2.4
21	2.0	1.6	2.8	2.4	0.9	1.4	0.9	1.2	0.8	0.7	2.4	3.3	1.73	12	3.3
22	2.4	1.8	2.3	2.3	1.6	0.8	0.7	0.9	1.5	1.4	1.2	1.0	1.52	12	2.4
23	0.7	0.6	0.6	1.4	1.3	1.3	1.4	1.5	1.6	1.3	1.2	1.0	1.20	12	1.6
24	0.7	0.5	0.6	1.2	1.6	1.1	1.1	2.2	2.1	2.3	2.4	1.4	1.47	12	2.4
25	0.8	0.5	0.3	0.6	0.8	1.2	1.3	1.6	1.3	0.9	1.1	1.5	1.02	12	1.6
26	0.7	0.7	0.6	0.7	0.7	0.7	1.2	1.0	0.6	0.7	1.3	1.0	0.88	12	1.3
27	0.6	0.6	1.2	1.2	1.0	1.0	1.1	1.0	1.3	1.4	1.0	1.2	1.09	12	1.4
28	1.0	0.7	1.2	2.7	1.1	0.9	1.0	1.6	1.3	1.1	1.4	1.3	1.33	12	2.7
29	1.6	1.7	1.9	1.4	1.1	1.2	1.5	1.7	1.8	1.3	1.1	0.7	1.46	12	1.9
30	0.4	0.7	1.2	1.6	0.5	0.1	0.4	0.8	0.5	0.5	2.0	4.3	1.14	12	4.3
31	2.6	1.9	2.8	3.3	1.1	1.1	2.3	2.0	1.4	1.1	2.0	1.8	2.00	12	3.3
AVG	1.08	0.96	1.44	1.59	1.08	0.93	1.09	1.18	1.14	1.15	1.25	1.27	1.18		
N(3)	31	31	31	31	31	31	31	31	31	31	31	31		372	
MAX*	2.6	2.4	4.9	4.5	1.7	1.4	2.3	2.2	2.1	2.4	2.4	4.3	2.00		4.9

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-6

TABULATED 09/17/68

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

CHICAGO ILLINOIS

JUNE/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	1.3	0.7	0.8	1.4	1.0	0.8	0.7	1.1	0.6	0.9	1.3	1.2	1.03	12	1.4
02	0.8	0.8	0.7	0.3	0.9	0.8	0.1	0.6	0.8	0.9	0.6	0.3	0.67	12	0.9
03	1.4	2.6	3.6	3.0	1.1	0.5	0.9	0.4	1.0	0.7	0.5	0.8	1.41	12	3.6
04	0.8	1.1	0.9	0.5	0.9	0.4	0.9	0.8	0.7	0.8	1.0	2.3	0.97	12	2.3
05	1.9	1.0	1.8	1.9	0.8	1.2	1.1	1.0	1.1	1.1	1.3	0.8	1.26	12	1.9
06	1.3	1.4	1.5	1.5	1.4	1.2	0.7	1.5	1.1	1.5	0.8	1.4	1.30	12	1.5
07	1.0	1.4	1.3	2.0	0.9	1.2	1.1	1.5	1.4	1.4	0.9	1.4	1.32	12	2.0
08	2.3	1.6	2.0	1.9	1.6	0.8	1.0	1.4	1.2	1.0	1.0	1.4	1.49	12	2.3
09	2.0	2.2	2.3	1.8	0.9	0.8	1.3	0.9	1.4	1.1	1.4	0.6	1.44	12	2.3
10	0.3	0.1	1.4	1.6	1.0	1.1	1.7	1.4	1.8	1.1	1.6	1.1	1.23	12	1.8
11	0.7	0.6	0.7	2.1	1.1	0.8	0.6	0.8	0.9	0.7	0.8	0.5	0.89	12	2.1
12	0.2	0.5	0.7	0.7	0.9	1.0	0.7	0.9	0.9	0.5	0.9	0.4	0.75	12	1.0
13	1.0	0.2	0.5	0.8	0.6	0.2	0.9	0.8	0.8	0.8	1.5	0.8	0.79	12	1.5
14	0.4	0.8	0.8	1.3	0.8	0.8	0.6	0.9	1.1	1.6	0.8	0.9	0.95	12	1.6
15	0.6	1.1	1.4	0.3	0.5	0.4	0.6	1.0	0.6	0.4	0.7	0.8	0.75	12	1.4
16		0.4	0.1	0.0	0.3	0.4	0.4	0.7	0.3	1.3	0.5	0.7	0.50	11	1.3
17	0.6	0.3	0.8	1.6	0.8	0.7	0.6	0.5	0.9	0.7	0.7	0.8	0.78	12	1.6
18	1.7	1.0	1.5	1.2	2.0	1.7	1.6	0.9	1.9	1.4	1.2	1.3	1.49	12	2.0
19	1.8	1.9	1.9	2.3	1.4	1.1	1.2	0.9	0.9	0.9	0.9	0.8	1.37	12	2.3
20	1.3	2.7	3.2	0.6	0.9	0.3	0.6	0.9	1.4	0.9	0.9	1.3	1.28	12	3.2
21	1.1	0.5	0.9	0.6	1.1	0.9	0.8	0.9	1.2	1.5	0.9	1.2	1.08	12	1.6
22	0.5	0.5	0.1	0.6	0.8	0.4	0.8	0.8	0.3	0.6	0.4	0.4	0.56	12	0.8
23	0.6	0.9	1.1	1.4	0.4	0.6	1.5	0.7	1.0	1.1	1.7	0.4	1.02	12	1.7
24	0.3	1.6	2.2	1.4	1.8	1.2	0.9	1.3	1.1	0.8	1.4	1.0	1.30	12	2.2
25	0.7	0.4	1.0	1.6	1.2	0.9	1.3	1.2	1.0	0.6	0.7	0.7	0.98	12	1.6
26	0.6	0.2	0.6	1.2	1.5	1.0	0.4	0.8	0.5	0.5	0.5	0.8	0.76	12	1.5
27	0.6	0.4	0.6	0.9	1.1	0.9	0.7	1.1	1.4	1.1	1.0	1.1	0.96	12	1.4
28	0.8	0.4	1.0	1.0	0.8	0.7	0.7	0.9	1.0	0.6	0.5	0.9	0.82	12	1.0
29	0.5	0.5	0.6	0.9	0.9	1.2	0.9	0.6	0.5	0.7	1.0	0.2	0.76	12	1.2
30	0.8		0.5	0.5	0.2	0.2	0.5	0.3	0.3	0.5	0.2	0.2	0.41	11	0.8
AVG	0.94	0.95	1.21	1.26	0.99	0.80	0.85	0.91	0.97	0.92	0.92	0.88	.96		
N(3)	29	29	30	30	30	30	30	30	30	30	30	30		358	
MAX*	2.3	2.7	3.6	3.0	2.0	1.7	1.7	1.5	1.9	1.6	1.7	2.3	1.49		3.6

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-7

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

CHICAGO ILLINOIS — JULY/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.3	0.4	1.1	0.9	1.1	0.8	0.4	0.7	0.3	0.1	0.8	0.7	0.68	12	1.1
02	0.5	0.6	0.9	0.8	0.4	0.7	0.3	0.9	0.7	0.6	0.1	0.9	0.66	12	0.9
03	1.4	1.5	1.1	1.6	0.6	0.4	0.1	0.5	0.7	0.5	0.4	1.8	0.92	12	1.8
04	1.7	0.9	0.7	0.6	0.6	0.5	0.7	0.3	0.5	0.1	1.6	0.6	0.77	12	1.7
05	0.9	0.7	1.1	0.5	1.2	1.1	0.7	0.5	0.8	0.8	0.2	0.6	0.78	12	1.2
06	0.8	0.6	0.5	0.4	0.2	0.1	0.1	0.4	0.6	0.2	0.6	3.0	0.64	12	3.0
07	1.8	1.6	0.8	1.2	0.7	0.2	0.3	0.8	0.5	0.3	1.2	0.5	0.86	12	1.8
08	1.3	0.8	1.2	1.5	1.4	1.3	0.8	0.9	1.1	0.7	0.8	0.9	1.11	12	1.5
09	0.4	0.6	0.7	0.9	1.5	1.1	0.9	0.8	0.6	0.5	0.4	0.1	0.75	12	1.5
10	0.4	0.0	0.1	0.5	0.6	0.3	0.8	0.7	1.0	0.8	0.7	0.5	0.57	12	1.0
11	0.3	0.7	0.9	1.1	0.6	0.4	1.3	1.0	1.3	1.4	1.4	1.5	1.03	12	1.5
12	0.6	1.5	1.7	2.1	1.7	1.4	1.4	1.1	1.1	1.2	1.5	1.2	1.42	12	2.1
13	1.0	1.2	2.2	1.8	2.0	0.7	0.6	0.6	0.9	1.0	0.6	0.4	1.12	12	2.2
14	0.5	0.7	0.4	0.6	0.2	0.5	0.5	0.5	0.4	0.7	0.7	0.3	0.55	12	0.7
15	0.4	0.4	0.7	0.9	0.9	0.9	0.6	0.3	0.7	0.4	0.5	2.4	0.82	12	2.4
16	1.1	0.6	1.3	1.2	1.3	0.5	0.2	0.8	0.7	0.6	0.7	0.6	0.84	12	1.3
17	0.5	0.4	0.9	1.0	0.8	0.6	0.9	0.7	0.7	0.9	0.7	0.4	0.76	12	1.0
18	0.4	0.4	0.8	1.0	1.0	1.0	1.0	1.4	1.0	1.5	1.7	1.4	1.09	12	1.7
19	1.0	0.4	0.9	1.1	1.1		1.0	0.4	0.9	1.1	1.1	0.8	0.91	11	1.1
20	0.5	0.4	1.6	0.7	0.4	0.9	0.4	0.4	0.6	0.5	0.4	0.6	0.65	12	1.6
21	2.6	2.1	1.1	0.6	0.4	0.6	0.4	0.4	0.8	0.6	0.8	0.8	0.98	12	2.6
22	0.4	0.4	0.6	1.3	0.8	0.3	0.4	0.9	0.5	0.7	0.6	0.8	0.68	12	1.3
23	0.6	0.2	0.3	1.3	0.9	1.2	1.2	0.4	1.5	1.1	0.8	0.8	0.90	12	1.5
24	0.9	0.6	1.9	2.2	2.2	1.2	0.8	1.1	0.8	0.4	1.0	0.7	1.19	12	2.2
25	1.1														
26															
27															
28															
29						0.5	0.1	0.3	0.4	0.4	0.6	1.3	0.55	07	1.3
30	1.8	2.2	1.2	1.3	0.7	0.7	0.7	0.6	0.8	0.2	0.8	0.4	0.99	12	2.2
31	0.0	0.4	1.0	0.9	1.1	0.8	0.4	0.9	0.8	0.5	0.7	1.1	0.75	12	1.1
AVG	0.85	0.77	0.99	1.07	0.93	0.71	0.62	0.67	0.76	0.65	0.79	0.92	.80		
N(3)	27	26	26	26	26	26	27	27	27	27	27	27		318	
MAX*	2.6	2.2	2.2	2.2	2.2	1.4	1.4	1.4	1.5	1.5	1.7	3.0	1.42		3.0

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-8

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

CHICAGO ILLINOIS

AUG/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.7	0.4	0.3	0.5	0.6	0.5	0.7	0.7	0.6	0.7	0.3	0.4	0.56	12	0.7
02	2.1	2.0	1.3	1.1	0.8	0.8	0.6	0.6	0.3	0.6	1.2	1.2	1.09	12	2.1
03	1.2	1.1	1.2	2.0	1.4	1.1	1.0	0.6	0.7	0.7	0.6	1.4	1.12	12	2.0
04	0.6	1.0	0.7	1.4	1.1	1.0	0.8	1.0	0.7	0.5	1.3	1.5	1.01	12	1.5
05	0.2	0.9	1.3	2.1	1.2	1.0	0.5	0.5	0.4	0.5	0.7	0.8	0.89	12	2.1
06	0.2	0.5	0.7	1.0	0.9	0.8	0.6	0.9	0.7	0.4	0.4	1.7	0.77	12	1.7
07	0.7	0.4	0.7	1.4	1.4	1.2	0.7	1.2	1.0	0.8	0.8	0.7	0.96	12	1.4
08	0.4	0.2	1.5	1.7	1.5	1.0	0.7	0.7	1.1	1.5	1.1	1.2	1.09	12	1.7
09	1.2	1.2	1.8	2.3	1.7	1.4	1.6	1.3	1.2	0.9	1.0	0.5	1.38	12	2.3
10	0.4	0.3	0.4	0.4	0.5	0.6	0.4	0.4	0.6	0.5	0.6	0.6	0.52	12	0.6
11	1.0	0.7	0.9	0.8	0.5	0.3	0.3	0.2	0.5	0.2	0.4	1.4	0.64	12	1.4
12	0.9	1.7	1.6	1.9	0.6	0.3	0.9	0.6	0.7	0.8	0.8	0.9	1.01	12	1.9
13	0.7	0.9	0.8	0.9	1.2	0.7	0.8	0.8	0.6	1.1	1.3	1.5	0.99	12	1.5
14	0.9	1.0	1.5	0.7	0.8	0.6	0.5	0.7	0.8	0.5	0.9	0.7	0.84	12	1.5
15	0.4		0.6	1.2	1.4	1.2	1.0	1.1	1.3	1.1	0.8	1.0	1.05	11	1.4
16	0.6	0.9	1.2	1.4	1.1	0.7	0.9	0.7	1.0	0.6	1.1	1.1	0.99	12	1.4
17	0.6	0.7	0.8	0.9	1.4	0.8	0.6	0.8	0.5	0.4	0.8	0.7	0.78	12	1.4
18	0.4	0.3	0.6	0.5	0.1	0.2		0.4	0.7	0.5	1.1	0.9	0.56	11	1.1
19	0.6	0.6	0.8	1.1	0.5	1.2	0.6	1.0	0.9	0.6	0.4	0.3	0.75	12	1.2
20	0.5	0.6	0.3	0.6	0.7	0.9	1.0	1.5	1.0	0.9	1.0	0.9	0.85	12	1.5
21	1.0							0.5	0.8	1.0	0.6	0.7			
22	0.6	1.0	0.9	1.4	1.1	0.8	0.5	0.7	0.6	0.6	0.5	1.0	0.86	12	1.4
23	1.2	0.6	1.5	1.4	1.6	0.7	0.9	1.1	0.9	0.5	1.0	0.8	1.05	12	1.6
24	0.5	0.6	0.5	1.2	0.3	0.6	0.8	0.2	0.6	0.3	0.5	0.4	0.58	12	1.2
25	0.2	0.4	0.4	0.4	0.6	0.1	0.3	0.9	0.7	0.9	0.7	0.4	0.56	12	0.9
26	0.1	0.3	0.8	0.9	0.9	0.5	0.5	0.5	1.0	0.4	0.5	0.6	0.63	12	1.0
27	0.9	1.3	0.3	0.6	0.8	0.6	0.6	0.9	0.5	0.5	0.4	0.3	0.66	12	1.3
28	0.7	3.1	3.0	2.3	0.1	0.5	0.5	0.7	1.0	1.2	1.1	0.9	1.29	12	3.1
29	1.3	1.4	0.5	2.5	2.6	1.8	1.1	0.7	1.0	1.1	0.6	0.5	1.31	12	2.6
30	1.4	0.7	1.6	1.9	2.9	1.8	1.1	1.0	1.5	0.9	1.0	0.9	1.38	12	2.3
31	0.7	1.8	1.6	1.7	1.9	1.8	1.4	1.1	1.2	1.1	1.5	0.9	1.45	12	1.9
AVG	0.73	0.91	1.00	1.27	1.05	0.85	0.75	0.78	0.81	0.71	0.81	0.87	.86		
N(3)	30	29	30	30	30	30	29	30	30	30	30	30		358	
MAX*	2.1	3.1	3.0	4.5	2.6	1.8	1.6	1.5	1.5	1.5	1.5	1.7	1.45		3.1

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (NO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-9

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

DAY OF MONTH — TIME (STARTING HOUR) — CHICAGO ILLINOIS — SEPT/68

DAY OF MONTH	0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.9	0.9		0.0	0.4	0.3	0.9	0.5	0.4	0.7	0.7	0.8	0.64	11	0.9
02	0.8	0.7	0.6	0.6	1.0	0.8	0.5	0.3		0.7	0.7	0.7	0.70	11	1.0
03	0.4	0.7	1.2	1.2	1.3	1.6	0.6	0.8	1.0	1.4	1.0	0.9	1.06	12	1.6
04	1.1	0.9	1.2	2.0	1.2	1.0	0.9	0.9	1.6	1.2	1.0	0.8	1.21	12	2.0
05	0.7	0.8	0.8	1.8	1.3	0.7	0.6	0.9	0.8	1.0	1.0	1.0	0.99	12	1.8
06	0.8	0.9	1.3	1.1	1.3	1.0	0.6	0.8	0.7	1.4	1.4	1.5	1.11	12	1.5
07	1.3	1.9	2.4	1.9	0.7	0.5	0.3	0.7	1.1	1.0	0.8	0.8	1.17	12	2.6
08	0.2	0.3	0.5	0.8	0.3	0.4	0.7	0.3	0.8	1.3	1.1	1.0	0.70	12	1.3
09	0.8	0.6	0.7	1.6	1.3	0.8	0.8	0.8	0.8	0.7	0.6	0.8	0.90	12	1.6
10	0.7	1.2	0.7	1.2	1.2	1.2	1.0	1.3	1.1	1.1	0.9	0.8	1.07	12	1.3
11	0.6	0.6	1.0	1.7	1.1	0.7	1.0	1.3	1.5	0.8	0.8	3.3	1.24	12	3.3
12	1.8	1.7	2.5	3.3	1.7	1.2	0.9	1.1	1.0	1.7	2.4	2.6	1.87	12	3.3
13	2.8	3.6	3.0	3.3	2.2	1.1	0.9	1.1	1.4	2.2	2.2	1.1	2.10	12	3.6
14	1.1	1.0	1.4	1.7	1.5	0.7	0.6	0.8	0.9	1.5	1.9	1.6	1.27	12	1.9
15	1.7	1.4	1.3	1.4	1.3	1.1	0.8	1.4	0.9	0.9	1.5	1.7	1.33	12	1.7
16	1.0	1.1	1.4	1.8	1.4	1.3	0.6	0.8	1.0	0.5	0.4	0.5	1.06	12	1.8
17	0.3	0.6	0.3	1.1	0.7	0.9	0.9	1.2	1.1	0.8	0.6	0.3	0.76	12	1.2
18	0.8	0.9	0.7	1.0	1.3	0.6	1.1	1.1	1.2	1.6	1.0	1.1	1.07	12	1.6
19	1.3	0.7	0.7	1.2	0.8	0.9	1.0	1.0	1.2	1.5	1.0	1.6	1.12	12	1.6
20	0.8	1.3	2.3	3.1	2.3	1.0	1.0	1.0	1.6	1.2	2.1	1.2	1.61	12	3.1
21	1.2	1.6	1.7	2.1	2.1	1.8	1.0	1.1	1.0	2.1	2.6	1.6	1.71	12	2.6
22	0.6	0.7	0.4	0.3	1.2	1.6	1.9	2.0	1.7	1.7	0.9	2.3	1.32	12	2.3
23	1.6	1.8	2.2	2.6	1.9	1.0	0.8	0.5	1.0	0.8	0.7	0.6	1.31	12	2.6
24	0.6	0.2	0.6	1.1	1.1	1.6	1.5	0.9	0.7	1.3	1.3	1.1	1.04	12	1.6
25	1.1	1.4	1.1	1.9	1.2	0.7	0.3	0.7	0.8	1.1	2.0	2.4	1.26	12	2.4
26	2.0	2.0	1.9	3.5	1.4	1.1	0.7	0.9	1.1	0.6	2.3	2.7	1.75	12	3.5
27	2.5	1.7	2.1	2.4	1.7	1.4	0.9	1.0	1.1	1.2	0.9	0.8	1.50	12	2.5
28	0.6	0.2	1.8	3.4	0.8	0.5	0.8	0.7	0.4	0.3	1.5	3.3	1.22	12	3.4
29	2.9	3.1	2.4	2.6	1.2	0.8	0.7	0.5	0.6	1.5	2.0	1.8	1.73	12	3.1
30	1.8	1.2	1.8	2.1	1.5	1.1	0.8	1.0	0.9	1.1	1.3	0.4	1.29	12	2.1
AVG	1.16	1.19	1.39	1.79	1.28	0.98	0.83	0.91	1.01	1.16	1.29	1.37	1.20		
N(3)	30	30	29	30	30	30	30	30	29	30	30	30		358	
MAX*	2.9	3.6	3.0	3.5	2.3	1.8	1.9	2.0	1.7	2.2	2.6	3.3	2.10		3.6

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-10

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

CHICAGO ILLINOIS

OCT/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	0.7	0.6	0.9	1.2	1.0	0.6	1.0	0.8	1.0	1.0	0.5	0.5	0.86	12	1.2
02	0.3	0.8	1.0	0.7	1.1	0.8	0.7	0.6	0.7	1.2	1.3	0.6	0.86	12	1.3
03	0.1	0.5	0.8	1.2	1.2	0.6	0.7	1.0	0.9	0.9	0.9	1.0	0.86	12	1.2
04	0.5	1.0	1.9	2.5	1.4	1.1	1.1	1.1	1.0	1.6	1.8	3.5	1.58	12	3.5
05	3.3	2.2	2.0	2.8	1.2	0.5	0.6	0.5	0.9	1.2	1.0	1.3	1.51	12	3.3
06	0.9	1.0	1.9	2.1	0.8	1.0	0.7	1.3	1.4	1.1	1.6	1.1	1.23	12	2.1
07	1.6	0.9	2.2	2.4	1.5	1.2	1.3	1.2	0.9	0.8	1.5	1.1	1.43	12	2.4
08	1.0	1.4	3.1	2.8	1.9	1.0	1.1	1.0	1.0	1.0	0.9	0.8	1.45	12	3.1
09	1.1	1.3	1.7	2.5	2.3	1.9	1.6	1.4	0.9	1.1	1.1	0.7	1.51	12	2.5
10	0.7	0.8	1.9	3.2	1.9	1.2	1.2	1.2	1.9	1.9	1.9	2.5	1.73	12	3.2
11	1.7	2.7	5.5	4.7	2.9	1.2	0.9	1.2	1.1	1.9	2.9	2.6	2.48	12	5.5
12	1.8	2.3	2.5	3.7	2.4	3.0	1.6	1.2	2.0	2.5	2.0	2.1	2.29	12	3.7
13	1.0	1.5	2.0	4.4	1.0	0.5	0.6	0.5	0.4	1.1	1.6	1.2	1.19	12	2.4
14	0.7	0.9	1.0	1.9	1.1	1.3	0.8	0.8	1.4	1.0	0.8	1.0	1.10	12	1.9
15	0.8	0.6	0.7	1.3	0.9	0.8	0.5	0.9	1.0	0.4	0.9	0.4	0.82	12	1.3
16	0.5	0.4	1.4	2.1	1.4	0.6	0.7	1.1	0.7	1.3	1.0	0.7	1.03	12	2.1
17	1.2	0.8	1.3	1.4	1.2	0.5	0.9	0.9	1.2	0.4	0.6	0.1	0.92	12	1.4
18	0.4	0.3	1.1	1.8	1.2	0.8	0.9	1.2	0.5	1.2	1.1	0.9	0.99	12	1.8
19	0.9	0.5	0.9	1.5	1.1	0.8	0.3	0.7	1.3	1.4	1.4	1.5	1.07	12	1.5
20	1.2	0.9	0.9	1.9	1.7	0.7	0.8	0.7	1.0	1.9	2.2	2.5	1.37	12	2.5
21	1.9	1.9	3.7	4.8	1.7	1.1	0.3	1.0	1.7	1.5	1.1	0.9	1.84	12	4.8
22	0.5	1.1	1.4	1.5	1.2	0.8	0.6	1.0	1.3	1.2	1.5	1.0	1.13	12	1.5
23	1.6	1.7	2.4	3.4	2.8	1.9	1.0	1.2	0.7	1.2	1.5	1.7	1.79	12	3.4
24	1.0	0.8	2.3	4.7	2.1	1.6	1.8	1.4	2.3	1.9	1.4	0.9	1.72	12	2.7
25	0.5	1.2	1.6	4.6	2.3	1.5	1.2	1.3	2.3	1.7	1.8	2.0	1.71	12	2.6
26	1.5	1.1	2.1	3.5	1.8	1.0	0.8	0.8	1.1	1.4	1.3	1.1	1.48	12	3.5
27	0.8	0.7	0.6	1.1	0.7	0.5	0.4	0.6	0.8	1.1	1.0	0.7	0.79	12	1.1
28	1.1	1.2	0.8	2.7	1.5	1.6	1.5	1.6	2.1	2.0	1.2	1.5	1.62	12	2.7
29	1.2	0.9	1.7	3.2	2.5	1.6	1.3	1.0	1.4	1.6	1.9	1.6	1.69	12	3.2
30	1.0	3.8	4.6	5.8	1.9	0.9	0.9	0.9	1.5	0.9	1.2	1.5	2.03	12	4.8
31	1.2	1.5	1.5	3.8	2.9	1.8	1.6	1.6	2.9	2.5	1.0	0.6	1.91	12	3.8
AVG	1.05	1.20	1.83	2.52	1.60	1.10	0.94	1.02	1.26	1.35	1.35	1.28	1.37		
N(3)	31	31	31	31	31	31	31	31	31	31	31	31		372	
MAX*	3.3	3.8	5.5	5.8	2.9	3.0	1.8	1.6	2.9	2.5	2.9	3.5	2.48		5.5

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-11

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

CHICAGO ILLINOIS — NOV/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	1.1	0.2	0.7	1.1	0.8	1.1	0.5	1.4	1.3	1.6	1.3	1.5	1.09	12	1.6
02	1.7	1.0	1.7	1.8	1.7	0.8	0.5	0.9	1.7	1.6	1.1	0.9	1.29	12	1.8
03	0.7	0.5	0.4	0.4	0.3	0.5	0.5	0.5	1.2	0.3	0.5	0.4	0.56	12	1.2
04	0.4	0.4	1.0	1.4	0.8		0.8	1.1	1.0	0.9	1.2	0.8	0.93	11	1.4
05	0.5	1.2	2.7	5.4	1.6	1.1	1.1	1.1	1.6	0.5	1.1	1.0	1.37	12	2.7
06	1.0	0.7	0.4	0.9	1.6	0.7	1.1	1.0	1.0	1.1	0.9	0.6	0.96	12	1.6
07	0.2	0.5	0.5	0.6	0.7	0.7	1.5	1.4	1.5	1.4	1.4	1.3	1.01	12	1.5
08	1.4	0.8	1.5	2.0	1.4	1.3	1.6	1.3	2.1	1.6	1.9	2.1	1.64	12	2.1
09	1.5	1.6	2.0	2.3	1.8	1.1	0.9	1.2	0.8	1.3	1.1	1.8	1.48	12	2.3
10	1.4	0.6	1.2	2.3	2.0	0.8	0.2	0.7	0.5	1.9	2.6	3.2	1.50	12	3.2
11	2.0	1.8	1.4	2.1	2.6	2.2	1.6	1.9	2.0	1.6	1.8	1.7	1.94	12	2.6
12	1.1	0.5	1.3	2.5	2.6	1.7	1.5	1.4	1.7	2.1	2.4	2.5	1.81	12	2.6
13	2.0	1.8	2.0	2.7	3.2	1.6	1.0	1.0	2.1	3.0	1.3	1.2	1.96	12	3.2
14	0.9	1.1	1.8	1.8	2.6	2.1	1.4	1.9	1.6	2.1	2.0	0.9	1.72	12	2.6
15	1.4	1.1	1.1	2.8	2.1	1.8	1.2	1.4	1.7	2.8	0.8	1.4	1.69	12	2.8
16	1.1	0.6	0.3	0.9	0.5	1.0	1.5	1.3	1.1	1.1	1.0	2.3	1.10	12	2.3
17	1.3	1.4	1.4	1.9	1.0	0.8	1.0	1.4	1.8	1.8	1.5	1.6	1.44	12	1.9
18	1.9	1.9	1.6	2.4	2.2	1.9	1.6	1.8	1.9	2.8	2.0	1.4	1.99	12	2.8
19	0.9	1.0	1.3	1.6	1.7	1.5	1.7	1.5	1.5	1.5	1.6	1.1	1.45	12	1.7
20	0.9	0.9	1.6	1.8	1.6	1.4	1.1	1.4	2.0	1.8	1.9	2.1	1.57	12	2.1
21	0.9	1.0	1.4	2.0	1.4	1.2	1.5	1.9	2.0	1.8	1.5	1.3	1.54	12	2.0
22	1.6	2.0	2.9	3.2	3.4	3.8	1.7	1.1	2.3	2.1	0.9	1.2	2.22	12	3.8
23	1.2	1.4	1.8	1.4	2.0	1.0	1.2	1.1	1.9	1.1	1.6	0.8	1.40	12	2.0
24	0.8	1.1	1.2	2.3	1.9	1.8	0.9	0.9	1.8	2.2	2.1	1.8	1.56	12	2.3
25	1.8	1.4	1.6	3.3	3.7	1.7	1.5	1.7	2.6	1.5	2.9	1.8	2.18	12	3.7
26	1.8	2.5	1.7	3.5	2.3	1.5	0.9	1.4	1.7	1.5	1.3	1.8	1.88	12	3.5
27	1.4	1.3	1.1	1.3	1.0	0.9	0.6	0.7	1.1	0.9	0.7	1.0	1.04	12	1.4
28	0.8	0.5	1.1	0.3	0.4	0.5	0.3	0.3	1.6	1.7	1.2	1.0	0.86	12	1.7
29	0.9	0.8	1.7	2.3	1.7	1.5	1.4	1.8	1.7	1.6	1.3	1.5	1.56	12	2.3
30	1.5	1.5	1.2	1.0	1.0	1.5	1.2	1.1	2.5	2.0	2.4	2.5	1.65	12	2.5
AVG	1.20	1.10	1.38	1.87	1.68	1.36	1.11	1.25	1.64	1.64	1.51	1.48	1.43		
N(3)	30	30	30	30	30	29	30	30	30	30	30	30		359	
MAX*	2.0	2.5	2.9	5.5	3.7	3.8	1.7	1.9	2.6	3.0	2.9	3.2	2.22		3.8

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

Table 4-12

TABULATED 09/17/69

CONTINUOUS AIR MONITORING PROGRAM
AISI SPOT (COH/1000 LIN.FT.)

CHICAGO ILLINOIS

DEC/68

DAY OF MONTH	TIME (STARTING HOUR) 0000	0200	0400	0600	0800	1000	1200	1400	1600	1800	2000	2200	AVG	N (1)	MAX (2)
01	2.3	1.8	1.0	0.9	0.4	0.3	0.9	1.2	0.7	0.8	0.6	2.2	1.14	12	2.3
02	1.3	1.3	1.6	1.9	2.4	2.0	2.0	2.7	2.2	2.5	2.3	2.6	2.12	12	2.7
03	2.4	2.1	2.3	3.6	3.9	2.2	1.7	1.6	1.7	1.8	1.2	1.4	2.21	12	3.9
04	1.0	1.1	1.5	2.3	2.8	1.3	0.9	1.7	1.5	1.4	1.2	1.5	1.56	12	2.8
05	2.2	0.8	1.4	1.4	1.7	2.0	2.5	2.6	1.7	1.8	1.3	0.8	1.72	12	2.6
06	1.1	1.5	1.2	2.2	2.0	2.2	1.8	1.7	1.3	2.6	2.0	2.3	1.87	12	2.6
07	1.3	0.8	2.0	2.0	2.0	2.3	2.1	1.5	1.5	1.8	1.7	1.5	1.89	12	2.9
08	1.3	1.4	1.5	2.1	2.1	1.6	1.8	1.0	2.1	2.1	2.3	3.8	1.96	12	3.8
09	4.7	4.8	4.6	6.4	4.4	1.9	1.2	2.0	1.5	1.6	1.3	1.0	2.99	12	6.4
10	1.0	1.0	1.4	1.6	2.1	2.2	2.2	1.0	0.9	2.6	2.1	2.6	1.75	12	2.6
11	2.1	1.2	1.1	1.9	2.0	2.1	2.1	1.8	1.7	1.3	1.2	0.9	1.67	12	2.1
12	1.2	0.4	1.1	1.4	1.3	1.4	0.8	1.6	1.7	0.9	1.1	0.8	1.18	12	1.7
13	1.0	0.3	0.8	1.1	0.9	1.4	1.0	1.4	1.9	1.4	1.4	1.2	1.19	12	1.9
14	1.3	1.3	1.8	1.9	2.2	1.5	1.8	1.6	1.8	0.9	1.2	1.8	1.64	12	2.2
15	1.7	1.5	1.7	6.6	1.0	0.7	2.0	2.4	2.3	2.7	1.8	2.0	1.90	12	2.7
16	1.6	1.5	2.0	3.6	2.9	2.5	1.9	2.1	2.4	3.0	3.2	3.8	2.61	12	3.8
17	3.2	3.2	3.7	4.4	3.2	1.8	2.4	1.9	1.4	1.9	1.6	2.1	2.61	12	4.4
18	2.4	1.8	1.1	1.8	1.8	2.8	1.4	1.5	1.5	1.5	1.0	1.2	1.69	12	2.8
19	0.8	1.2	1.6	1.7	1.7	1.2	1.4	1.6	1.7	1.1	1.3	1.7	1.42	12	1.7
20	1.4	1.4	1.5	2.1	1.9	2.0	1.7	1.8	2.2	1.7	1.5	1.6	1.76	12	2.2
21	1.6	1.1	1.5	1.9	2.7	3.5	1.6	1.6	0.9	1.0	1.5	1.2	1.72	12	3.5
22	0.7	0.6	0.3	0.6	0.4	1.7	2.3	1.1	1.0	0.7	0.8	0.4	0.93	12	2.3
23	0.9	1.0	1.3	1.7	1.9	1.5	1.4	1.5	1.9	1.4	1.7	1.2	1.50	12	1.9
24	1.3	1.5	1.2	1.8	2.0	1.8	1.9	1.7	1.8	2.0	2.0	1.6	1.74	12	2.0
25	1.8	1.5	2.1	6.4	2.7	3.0	1.5	0.3	1.2	4.0	1.9	2.1	2.06	12	4.0
26	1.9	1.2	1.3	1.2	1.7	2.3	2.1	2.3	2.0	1.9	1.8	1.8	1.83	12	2.3
27	1.7	1.2	1.7	1.8	2.2	3.0	2.9	3.4	3.3	3.1	2.1	1.6	2.38	12	3.4
28	1.1	0.8	1.4	0.9	1.4	1.7	1.8	1.6	1.4	0.8	1.4	1.3	1.32	12	1.8
29	0.7	0.6	1.5	1.7	1.4	1.4	1.2	2.0	1.6	2.6	1.3	2.0	1.54	12	2.6
30	2.0	1.3	1.2	1.7	1.0	1.2	1.1	2.2	2.6	1.1	1.4	1.2	1.52	12	2.6
31	1.1	1.0	1.9	4.6	2.1	1.2	1.7	1.3	1.4	1.1	0.8	1.6	1.39	12	2.1
AVG	1.60	1.35	1.62	2.07	2.03	1.86	1.71	1.73	1.69	1.77	1.54	1.70	1.72	372	
N(3)	31	31	31	31	31	31	31	31	31	31	31	31			
MAX*	4.7	4.8	4.6	6.4	4.4	3.5	2.9	3.4	3.3	4.0	3.2	3.8	2.99		6.4

(1) N=NUMBER OF VALID 2-HR SPOTS
(2) MAX=MAXIMUM 2-HR COH (DY)
(3) N=DAYS WITH VALID VALUES
* MAX=MAXIMUM 2-HR COH (MO)
VALUES GREATER THAN 6.0 UNDERESTIMATE ACTUAL VALUE

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15. Supplementary Notes

The APTD series reports technical data of interest to a limited readership.

16. Abstracts

Hourly average concentrations of six gaseous pollutants (carbon monoxide, nitric oxide, nitrogen dioxide, sulfur dioxide, total hydrocarbons, and total oxidants), and 2-hour measurements of soiling index levels are tabulated. A brief summary of monthly means and maximums and graphs of seasonal diurnal patterns of gaseous pollutants are included. Annual frequency distributions of the data pertaining to gases and soiling index are tabulated for Chicago, and for Cincinnati, Denver, Philadelphia, St. Louis, and Washington, D. C.

17. Key Words and Document Analysis. (a). Descriptors

Air pollution
Urban areas
Carbon monoxide
Nitrogen oxide (NO)
Nitrogen dioxide
Sulfur dioxide
Hydrocarbons
Oxidizers
Aerosols
Concentration (composition)
Periodic variations
Arithmetic mean
Continuous sampling
Seasonal variations
Diurnal variations
Frequency distribution
Experimental data
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17b. Identifiers/Open-Ended Terms

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CAMP
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